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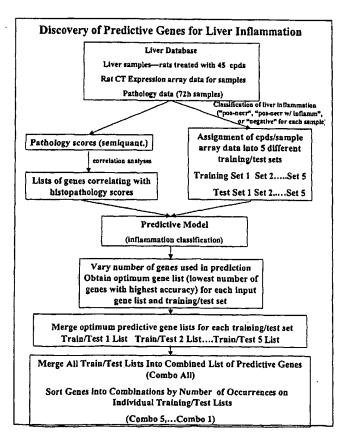
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(54) Title: LIVER INFLAMMATION PREDICTIVE GENES



(57) Abstract: The invention provides toxicity predictive genes that can be used to predict toxicity in response to one more agents. The invention provides for a method of predicting the liver toxicity In Vivo or In Vitro to an agent. The method comprises obtaining a biological sample from an individual, cell culture or explant treated with the agent. The expression of one or more liver toxicity, predictive genes in the sample is measured, wherein the genes are selected from a group consisting of partial gene sequences of genes identified as responsive to agents causing liver inflammation. The process generates a test expression profile. The test expression profile is used with a set of reference expression profiles in a Predictive Model to determine whether the agent will induce liver toxicity in the individual.

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LIVER INFLAMMATION PREDICTIVE GENES

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Cross Reference to Other Patent Applications

This application claims the benefit of U.S. Provisional application No. 60/379,831 and filed 05/10/02, which is incorporated herein by reference in its entirety.

Reference to a Sequence Listing and Tables

Description of Accompanying CD-ROM (37 C.F.R. §§ 1.52 & 1.58): Tables 26, 28, 29, and 30 referred to herein are filed herewith on CD-ROM in accordance with 37 C.F.R. §§ 1.52 and 1.58. Two identical copies (marked "Copy 1" and "Copy 2") of said CD-ROM, both of which contain Tables 26, 28, 29, and 30, are submitted herewith, for a total of two CD-ROM discs submitted. Table 26 is recorded on said CD-ROM discs as "Table26.txt" created April 25, 2002 size 288,877 bytes. Table 28 is recorded on said CD-ROM discs as "Table28.txt" created on May 6, 2002, size 634,567 bytes. Table 29 is recorded on said CD-ROM discs as "Table29.txt" created on May 6, 2002, size 444,079 bytes. Table 30 is recorded on said CD-ROM discs as "Table30.txt" created on May 6, 2002, size 399,825 bytes.

The contents of the files contained on the CD-ROM discs submitted with this application are hereby incorporated by reference into the specification.

Background

This invention is in the field of toxicology. More specifically, it relates to liver inflammation predictive genes and the methods of using such genes to predict liver inflammation.

Molecular biology and genomics technologies have potential to create dramatic advances and improvements for the science of toxicology as for other biological sciences. See, for example, MacGregor, et al. Fund. Appl. Tox. 26:156-173, 1995; Rodi et al., Tox. Pathology 27:107-110, 1999; Cunningham et al., Ann. N.Y. Acad. Sci. 919: 52-67, 2000; Pritchard et al., Proc. Natl. Acad. Sci. USA 98:13266-13271, 2001; and Fielden and Zacharewski, Tox. Sciences 60: 6-10, 2001. These technologies provide massive amounts of parallel information for processes and events occurring at the molecular level. This level of information is in dramatic contrast to conventional safety assessment toxicology that, to a large extent, currently relies on subjective evaluation (e.g., in-life observations of behavior, observations of gross abnormalities at necropsy and histopathological examination of stained tissue slides using a microscope). These current methodologies may be largely subjective and in some cases such as histopathological evaluation, they require someone with a high degree of training, experience and skill to make competent evaluations. Furthermore, many of the methodologies require access to organs and tissues that necessitates either killing laboratory animals or surgery to obtain tissue specimens.

Recently, there have been some initial efforts to apply molecular biology and genomics technologies to toxicology. Some efforts have involved application of gene expression measurements. See, for example, U.S. Patent 6,228,589 and WO 01/05804. Analysis of the data has yielded interesting observations of gene expressions that appear to correlate with some toxic effects or mechanisms. See, for example, Mueller et al. *Environmental Health Perspectives* 106(5): 277-230 (1998). However, there has been very little published work in toxicology so far that applies rigorous analytical and statistical techniques to the massive amounts of data available from genomics technologies. The observations, so far, have tended to be phenomenological and focused on individual gene responses rather than determining the generally applicable capabilities of patterns of gene expression to predict toxic effects (see, for example, studies of gene expression altered by exposure to liver

toxicants in Bartosiewicz et al., Environ health Perspectives 109:71-74, 2001; Huang et al., *Tox. Sciences* 63: 196-207, 2001). Even in the larger field of biological sciences, these types of analyses are just beginning to be evidenced in the literature (e.g., Golub et al., *Science* 286: 531-537, 1999).

Recently some work has been published that attempts to correlate gene expression profiles with the mechanism of toxicity of various hepatotoxins. See for example, Waring et al. *Tox. and Appl. Pharm.* 175:28-42 (2001). However there has been limited success thus far in the attempts to predict toxicity of compounds based on the gene expression profiles elicited upon treatment.

What is needed are genes and predictive models, which are capable of predicting toxicity response.

Summary

The invention provides liver inflammation predictive genes and predictive models which are useful to predict toxic responses to one or more agents.

One aspect of the present invention provides methods of predicting liver toxicity to an agent. A biological sample is obtained from an individual treated with the agent. Alternatively, a biological sample is obtained from an individual and treated with the agent. In vitro cultured cells or explants may also be treated with the agent. A gene expression profile on one or more of the liver inflammation predictive genes disclosed herein is obtained from the biological sample or in vitro cultured cells or explants used. The gene expression profile from the biological sample or cells treated with the agent is used in a predictive model to predict whether the agent will induce liver inflammation in the individual or would be predicted to produce liver toxicity following in vivo exposure.

In another aspect, the invention provides methods for determining the presence or absence of a no-observable effect level (NOEL) of an agent in an individual. A biological sample is obtained from individuals treated with the agent at different dose

levels. Alternatively, a biological sample is obtained from In vitro cultured cells or explants treated *in vitro* at different dose levels. A gene expression profile of a set of liver inflammation predictive genes from the samples, cultured cells or explants is obtained. The gene expression profile from the biological sample or cells treated with the agent are used in a predictive model to predict at which dose levels the agent will induce liver inflammation in the individual or *in vitro*. In one embodiment, the predictive model utilizes sets of liver inflammation predictive gene(s) selected from one of the various liver inflammation predictive gene sets disclosed herein (*i.e.*, Combination 5, 4, 3, 2, or 1), wherein the sets comprise one or more genes therefrom.

In another aspect, the invention provides methods of identifying a liver inflammation predictive gene. One method comprises providing a set of candidate toxicity predictive genes; evaluating said genes for their predictive performance with at least one training and test set of data in a Predictive Model to identify genes which are predictive of liver inflammation; and testing the performance of predictive genes for their ability to predict liver inflammation for: (i) different test sets of data, (ii) comparison of prediction for accurate versus random classification, and (iii) prediction using test data external to the data used to derive the predictive genes.

In another aspect, the invention provides a computer-based method for mining genes predictive for liver inflammation by: collecting expression levels of a plurality of candidate toxicity predictive genes in a multiplicity of samples; optionally storing the expression levels as a database on an electronic medium; defining a group of samples to be a training set; defining another group of samples to be a test set; optionally generating additional training and test sets; and selecting a set of genes which are predictive of liver inflammation based on evaluating the training set and the test set in a Predictive Model.

In another aspect, the invention provides a computer program product for predicting liver inflammation, which includes a set of liver inflammation predictive genes derived from mining a database having a plurality of gene expression profiles

indicative of toxicity. In one embodiment, the set of liver inflammation predictive genes includes at least one predictive gene from combination 5, 4, 3, 2, or 1 list.

In another aspect, the invention provides a library of expression profiles of liver inflammation predictive genes produced by the methods disclosed herein.

In another aspect, the invention provides an integrated system for predicting liver inflammation including equipment capable of measuring gene expression profiles of liver inflammation predictive genes from biological samples exposed to a test agent, operably linked to a computer system capable of implementing a predictive model.

Brief Description of the Drawings

Figure 1 is a flow diagram illustrating one embodiment of the present invention for identification of predictive genes.

Figure 2 is a flow diagram illustrating one embodiment of the present invention for evaluating performance of liver inflammation predictive genes.

Figure 3 is a flow diagram illustrating one embodiment of the present invention for predicting toxicity of liver inflammation predictive genes.

Brief Description of the Tables

Table 1 lists compounds, dose levels, liver pathology and abbreviations in the database in accordance with one embodiment of the present invention.

Table 2 lists the distribution of compounds in individual training and test sets for 24 hour liver data in accordance with one embodiment of the present invention.

Table 3 lists the genes whose expression at 24 hour directly correlates with liver inflammation at 72 hour, ranked by Pearson correlation coefficient in accordance with one embodiment of the present invention.

Table 4 lists the genes whose expression at 24 hour inversely correlates with liver inflammation at 72 hour, ranked by Spearman correlation coefficient in accordance with one embodiment of the present invention.

Table 5 lists the predictive genes for 24 hour expression data in accordance with one embodiment of the present invention.

Table 6 lists the randomly selected gene subsets from 24 hour Combo All gene set in accordance with one embodiment of the present invention.

Table 7 lists the randomly selected gene subsets from 24 hour Combos 5, 3, 2 combined in accordance with one embodiment of the present invention

Table 8 lists the randomly selected gene subsets from 24 hour all excluding predictive genes (*i.e.*, excluding Combo All genes) in accordance with one embodiment of the present invention.

Table 9 lists the liver inflammation individual sample prediction values for 24 hour data predictive genes (combined list and subsets) in accordance with one embodiment of the present invention.

Table 10 lists the liver inflammation compound-dose prediction values for 24 hour data predictive genes (combined list and subsets) in accordance with one embodiment of the present invention.

Table 11 lists the liver inflammation compound prediction values for 24 hour data predictive genes (combined list and subsets) in accordance with one embodiment of the present invention.

Table 12 lists the individual gene predictions for Combo 3 in accordance with one embodiment of the present invention.

Table 13 lists the individual gene predictions for Combo 2 in accordance with one embodiment of the present invention.

Table 14 lists the comparison of predictivity for correct liver inflammation classification and random classification using Combo gene sets and random subsets and 24 hour data in accordance with one embodiment of the present invention.

Table 15 lists the distribution of compounds in individual training and test sets for 6 hour liver data in accordance with one embodiment of the present invention.

Table 16 lists the genes whose expression at 6 hours directly correlates with liver inflammation at 72 hours, ranked by Pearson correlation coefficient in accordance with one embodiment of the present invention.

Table 17 lists the genes whose expression at 6 hours inversely correlates with liver inflammation at 72 hours, ranked by Spearman correlation coefficient in accordance with one embodiment of the present invention.

Table 18 lists genes whose expression at 6 hours is predictive of liver inflammation at 72 hours in accordance with one embodiment of the present invention.

Table 19 lists the comparison of predictivity for correct liver inflammation classification and random classification using combo gene sets and 6 hour data in accordance with one embodiment of the present invention.

Table 20 lists the distribution of compounds in individual training and test sets for 72 hour liver data in accordance with one embodiment of the present invention.

Table 21 lists genes whose expression at 72 hours directly correlates with liver inflammation at 72 hours, ranked by Pearson correlation coefficient in accordance with one embodiment of the present invention.

Table 22 lists genes whose expression at 72 hours inversely correlates with liver inflammation at 72 hours, ranked by Spearman correlation coefficient in accordance with one embodiment of the present invention.

Table 23 lists genes whose expression at 72 hours is predictive of liver

inflammation at 72 hours in accordance with one embodiment of the present invention.

Table 24 lists comparison of predictivity for correct liver inflammation classification and random classification using combo gene sets 72 hour data in accordance with one embodiment of the present invention.

Table 25 lists the RCT genes (ESTs) predictive for liver inflammation at 72 hours: best homology matches in accordance with one embodiment of the present invention.

Table 26 lists the genes predictive for liver inflammation, sequences, and accession numbers in accordance with one embodiment of the present invention.

Table 27 lists the liver inflammation predictive genes whose protein products are known to be secreted. The genes are from the table listing all the inflammation predictive genes at the three time points 6, 24, and 72 hours in accordance with one embodiment of the present invention.

Table 28 lists the expression data for the 6 hour timepoint in accordance with one embodiment of the present invention.

Table 29 lists the expression data for the 24 hour timepoint in accordance with one embodiment of the present invention.

Table 30 lists the expression data for the 72 hour timepoint in accordance with one embodiment of the present invention.

Detailed Description

One embodiment of the present invention relates to methods of predicting whether an agent or other stimulus will or is capable of inducing liver inflammation using predictive molecular toxicology analysis. Another embodiment of the present invention provides methods of predicting liver inflammation which comprise analyzing gene and/or protein expression across a number of liver inflammation biomarkers disclosed herein for patterns of expression that are predictive of liver inflammation in the recipient organism. This type of toxicity is significant as a toxic effect of many

chemical agents and is a significant component of adverse reactions to pharmaceuticals and drugs (see, for example, Treinen-Moslen, M. in Casarett and Doull's Toxicology: The Basic Science of Poisons Sixth Edition (C.D. Klaasen, ed.) Chp. 13., McGraw-Hill, New York, 2001). Adverse drug reactions are very often unpredictable, and may occur through acute exposure to the chemical agent or drug or through chronic exposures. For many drugs and chemical agents, inflammatory responses are implicated in amplifying or extenuating the initial toxic damage that occurs in the liver (see, for example, Treinen-Moslen, M., *ibid.*)

Another embodiment of the present invention provides that modulated transcriptional regulation of relatively small sets of certain genes in response to a test agent can accurately predict the occurrence of liver inflammation observed at later time points.

In yet another embodiment, the predictive model utilizes gene expression profiles from sets of liver inflammation predictive gene(s) selected from one of the various liver inflammation predictive gene sets disclosed herein (*i.e.*, Combination 5, 4, 3, 2, or 1), wherein the sets comprise one or more genes there from.

In still another embodiment, the predictive genes and models may be used to identify and evaluate various *in vitro* systems that can be used to accurately predict *in vivo* toxicity and to use the identified *in vitro* systems to accurately predict *in vivo* toxicity.

Provided herein are multiple sets of liver inflammation biomarkers which are useful in the practice of the liver inflammation prediction methods of the invention. In particular, applicants have identified 415 liver inflammation biomarkers which demonstrate utility in predicting liver inflammation. These biomarkers have been thoroughly characterized for their predictive performance, individually as well as in various combinations or subsets thereof. In addition, various optimized subsets of the liver inflammation biomarkers of the invention are disclosed. These sets have also been thoroughly characterized for predictive performance using the methods of the

invention. Among the subsets of liver inflammation genes provided herein are several which demonstrate prediction accuracies in the vicinity of about 85%.

Other embodiments of the present invention are further described by way of the experimental examples provided herein. These examples demonstrate that small sets of genes (i.e., in some instances, as few as 1 biomarker gene) may be used to accurately predict liver inflammation. For example, as further described in the Examples, analysis of mRNA expression of only a few genes can provide an indication of whether a test agent will or will not induce liver inflammation.

The predictive capacity of the methods of the invention have been verified by comparisons with random classifications. Moreover, the methods of the invention are capable of distinguishing between agent dose levels that induce toxicity (typically higher doses) and those doses that are non-toxic. This latter feature is an important component of meaningful toxicological evaluation.

General Techniques: The several embodiments of the present invention employ, unless otherwise indicated, conventional techniques of molecular biology (including recombinant techniques), microbiology, cell biology, biochemistry, nucleic acid chemistry, and immunology, which are well known to those skilled in the art. Such techniques are explained fully in the literature, such as, *Molecular Cloning: A Laboratory Manual*, second edition (Sambrook et al., 1989) and *Molecular Cloning: A Laboratory Manual*, third edition (Sambrook and Russel, 2001), (jointly referred to herein as "Sambrook"); *Current Protocols in Molecular Biology* (F.M. Ausubel et al., eds., 1987, including supplements through 2001); *PCR: The Polymerase Chain Reaction*, (Mullis et al., eds., 1994); Harlow and Lane (1988) *Antibodies, A Laboratory Manual*, Cold Spring Harbor Publications, New York; Harlow and Lane (1999) *Using Antibodies: A Laboratory Manual* Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY (jointly referred to herein as "Harlow and Lane"), Beaucage et al. eds., *Current Protocols in Nucleic Acid Chemistry* John Wiley & Sons, Inc., New York, 2000) and *Casarett and Doull's Toxicology The Basic Science of Poisons*, C. Klaassen, ed.,

6th edition (2001).

Definitions: Unless otherwise defined, all terms of art, notations and other scientific terminology used herein are intended to have the meanings commonly understood by those of skill in the art to which this invention pertains. In some cases, terms with commonly understood meanings are defined herein for clarity and/or for ready reference, and the inclusion of such definitions herein should not necessarily be construed to represent a substantial difference over what is generally understood in the art. The techniques and procedures described or referenced herein are generally well understood and commonly employed using conventional methodology by those skilled in the art, such as, for example, the widely utilized molecular cloning methodologies described in Sambrook et al., Molecular Cloning: A Laboratory Manual 2nd edition (1989) Cold Spring Harbor Laboratory Press, Cold Spring Harbor, N.Y. As appropriate, procedures involving the use of commercially available kits and reagents are generally carried out in accordance with manufacturer defined protocols and/or parameters unless otherwise noted.

"Toxic" or "toxicity" refers to the result of an agent causing adverse effects, usually by a xenobiotic agent administered at a sufficiently high dose level to cause the adverse effects.

The term "liver inflammation" refers to an inflammatory response of the liver that can be initiated by physical injury, infection, or local immune response and can include local accumulation of fluid, plasma proteins and white blood cells, as well as migration and infiltration of neutrophils, lymphocytes, and other cells of the immune system into regions of damaged liver.

As used herein, the terms "liver inflammation biomarker" and "liver inflammation predictive gene" are used interchangeably and refer to a gene whose expression, measured at the RNA or protein level can predict the likelihood of a liver inflammation response.

A "toxicological response" refers to a cellular, tissue, organ or system level response to exposure to an agent. At the molecular level, this can include, but is not limited to, the differential expression of genes encompassing both the up- and down-regulation of expression of such genes at the RNA and/or protein level; the up- or down-regulation of expression of genes which encode proteins associated with response to and mitigation of damage, the repair or regulation of cell damage; or changes in gene expression due to changes in populations of cells in the tissue or organ affected in response to toxic damage.

An "agent" or "compound" is any element to which an individual can be exposed and can include, without limitation, drugs, pharmaceutical compounds, household chemicals, industrial chemicals, environmental chemicals, other chemicals, and physical elements such as electromagnetic radiation.

The term "biological sample" as used herein refers to substances obtained from an individual. The samples may comprise cells, tissue, parts of tissues, organs, parts of organs, or fluids (e.g., blood, urine or serum). Biological samples include, but are not limited to, those of eukaryotic, mammalian or human origin.

"Sample" is defined for the purposes of prediction as a biological sample and the gene expression data for that sample. Each sample may come from an individual animal. A toxicity classification may also be associated with the sample.

"Gene expression" as used herein refers to the relative levels of expression and/or pattern of expression of a gene. The expression of a gene may be measured at the DNA, cDNA, RNA, mRNA, protein level or combinations thereof.

"Gene expression profile" refers to the levels of expression of multiple different genes measured for the same sample. Gene expression profiles may be measured in a sample, such as samples comprising a variety of cell types, different tissues, different organs, or fluids (e.g., blood, urine, spinal fluid, sweat, saliva or serum) by various methods including but not limited to microarray technologies and quantitative

and semi-quantitative RT-PCR (e.g., Taqman™) techniques, as well as techniques for measuring expression of proteins.

"Individual" refers to a vertebrate, including, but not limited to, a human, non-human primate, mouse, hamster, guinea pig, rabbit, cattle, sheep, pig, chicken, and dog.

As used herein, the terms "hybridize", "hybridizing", "hybridizes" and the like, used in the context of polynucleotides, are meant to refer to conventional hybridization conditions, such as hybridization in 50% formamide/6X SSC/0.1% SDS/100 μg/ml ssDNA, in which temperatures for hybridization are above 37 degrees Celsius and temperatures for washing in 0.1X SSC/0.1% SDS are above 55 degrees Celsius, and preferably to stringent hybridization conditions. The hybridization of nucleic acids can depend upon various factors such as their degree of complementarity as well as the stringency of the hybridization reaction conditions. Stringent conditions can be used to identify nucleic acid duplexes with a high degree of complementarity. Means for adjusting the stringency of a hybridization reaction are well-known to those of skill in the art. See, for example, Sambrook, et al., "Molecular Cloning: A Laboratory Manual," Second Edition, Cold Spring Harbor Laboratory Press, 1989; Ausubel, et al., "Current Protocols In Molecular Biology," John Wiley & Sons, 1996 and periodic updates; and Hames et al., "Nucleic Acid Hybridization: A Practical Approach," IRL Press, Ltd., 1985. In general, conditions that increase stringency (i.e., select for the formation of more closely matched duplexes) include higher temperature, lower ionic strength and presence or absence of solvents; lower stringency is favored by lower temperature, higher ionic strength, and lower or higher concentrations of solvents.

In the context of amino acid sequence comparisons, the term "identity" is used to express the percentage of amino acid residues at the same relative position which are the same. Also in this context, the term "homology" is used to express the percentage of amino acid residues at the same relative positions which are either identical or are similar, using the conserved amino acid criteria of BLAST analysis, as is generally

understood in the art. Further details regarding amino acid substitutions, which are considered conservative under such criteria, are discussed below.

Identification of Liver Inflammation Biomarkers: Generation of Toxicology Gene Expression Databases: The liver inflammation biomarkers described herein were initially identified utilizing a database generated from large numbers of in vivo experiments, wherein the differential expression of approximately 700 rat genes, measured at various time points, in response to multiple toxic compounds inducing various specific toxic responses, as visualized through microscopic histopathological analysis, was quantified, as described in pending United States Patent Application filed January 29, 2002 (serial number 10/060,893). This quantitative gene expression data, as well as corresponding histopathological information, was then subjected to an analytical approach specifically designed to identify genes which not only correlated with the observed histopathology, but also demonstrated an ability to be used in a model capable of accurately predicting the occurrence of the toxic response associated with the observed histopathology. A detailed description of this identification process is presented in the Examples. A flow diagram illustrating how the liver inflammation biomarkers of one embodiment of the present invention were identified is illustrated in Figure 1.

In addition to the database described and utilized herein, other toxicology gene expression databases may be generated, and used to identify additional liver toxicity biomarkers, which may also be employed in the practice of the liver inflammation prediction methods of the invention. Such databases may be generated with test compounds capable of inducing various pathologies indicative of a toxic response in the liver and/or other organs or systems, over different time periods and under different administration and/or dosing conditions, including without limitation hepatocellular necrosis, regenerative proliferation, neoplasia, apoptosis, fibrosis, and cirrhosis. An example of compounds, dose levels, liver toxicity classifications and histopathology scores used in the Examples which follow are provided in Table 1. The compounds and dose levels are abbreviated in the Abbreviation Column. The

Inflammation Score relates the histopathology liver inflammation, a score of "2" or higher indicates histopathology of increasing severity.

Such databases may be generated using organisms other than the rat, including without limitation, animals of canine, murine, or non-human primate species. In addition, such databases may incorporate data derived from human clinical trials and post-approval human clinical experiences. Various methods for detecting and quantitating the expression of genes and/or proteins in response to toxic stimuli may be employed in the generation of such databases, as are generally known in the art. For example, microarrays comprising multiple cDNAs or oligonucleotide probes capable of hybridizing to corresponding transcripts of genes of interest may be used to generate gene expression profiles. Additionally, a number of other methods for detecting and quantitating the expression of gene transcripts are known in the art and may be employed, including without limitation, RT-PCR techniques such as TaqMan®, RNAse protection, branched chain, etc.

Databases comprising quantitative gene expression information preferably include qualitative and quantitative and/or semi-quantitative information respecting the observed toxicological responses and other conventional toxicology endpoints, such as for example, body and organ weights, serum chemistry and histopathology observations, histopathology scores and/or similar parameters.

Identification of Correlating Genes: For the purpose of identifying candidate predictive genes, the database preferably includes histopathology scores for each animal which has been exposed to one or more agent(s). These scores can be assigned based on actual histopathology observations for the tissue and animal or on the basis of effects observed for other animals treated with the same agent and dose level. The scores are numerical scores that reflect the occurrence and severity of histopathological changes. These scores can be adjusted to have similar range to gene expression changes. For example, a score of 1 could be assigned to samples with no changes and scores of 2-8 assigned to increasingly severe changes. Because

the scores are numerical, they are suitable for use with a variety of statistical correlation and similarity measures.

An example of a histopathology scoring system is provided in Example 1. Referring now to Figure 1, histopathology scores may be utilized to identify genes which correlate with the observed toxicological response, using any number of statistical correlation and similarity analysis techniques, including without limitation those correlation or similarity measures described or employed in Example 1 (e.g., Pearson, Spearman, change, smooth, distance etc.). Such correlating genes may be used as predictive gene candidates. Examples of genes whose expression at 24 hours after treatment correlates with histopathology observed at 72h are detailed in Tables 3 and 4. In one embodiment, the correlating gene lists as well as the entire array gene list are used as input gene lists in the GeneSpring™ (Version 4.1, Silicon Genetics, Redwood City, CA) Predict Parameter Values tool (otherwise known hereafter as "Predictive Model").

Class Prediction and Classification: Statistical analysis of the database of gene expression profiles can be affected by utilizing commercially available software programs. In one embodiment, GeneSpring™ is used. Other software programs which can be used for statistical analysis are SAS software packages (SAS Institute Inc., Cary, NC) and S-PLUS® software (Insightful Corporation, Seattle, WA).

Using GeneSpring™ software, class predictions can be made from the genes in the database, as detailed in Example 1, using one or more training and test sets. In one embodiment, five training sets and five test sets are obtained, as shown in Example 1 (Table 2). Liver toxicological classifications are entered for the samples in each training and test set. Compounds that did not elicit histopathology (score =1) are identified as negative for training and test sets. Compounds that elicit histopathology (score of 2 or greater) are identified as positive for training and test sets. Compounds denoted with Low indicates low dose of the compound is administered. Compounds denoted with High, indicates high dose of the compound is administered. Compound

abbreviations in Table 2 are defined in Table 1.Toxicological classifications can be defined by the presence or the absence of various pathologies. In yet another embodiment, toxicity observed as inflammation is defined as three classifications (i.e. liver necrosis, liver necrosis with inflammation, or no histopathology (negative)) observed 72 hours after treatment with an agent. In another embodiment, toxicity observed as inflammation is defined as two classifications (i.e. liver inflammation or no inflammation) observed 72 hours after treatment with an agent. However, toxicity can manifest in other liver pathologies such as regenerative proliferation, neoplasia, apoptosis, fibrosis, and cirrhosis. More complex (four or more) classifications can be used in defining multiple pathologies.

Once the training sets have been selected, then predicted classifications of the test set samples are obtained by using k-nearest neighbor (or *knn*) voting procedure. The class in which each of the *knn* is determined and the test sample is assigned to the class with the largest representation after adjusting for the proportion of classifications in the training set. In one embodiment, adjustments are made to account for different proportions of classes in the training set.

Toxicity can also be observed at various time points after exposure to an agent and is not limited to only 72 hour after treatment. A skilled toxicologist can determine the optimal time after exposure to an agent to observe pathology by either what has been disclosed in the art or a stepwise experimentation with time increments, for example 2, 4, 6, 12, 18, 24, 36, 48 hours post-exposure or even longer time increments, for example, days, weeks, or months after exposure to the agent.

Identification of Predictive Genes: Referring now to Figure 1, a description of the process used to identify liver inflammation predictive genes in one embodiment of the present invention is illustrated. According to this embodiment of the present invention, the process is run independently for each time point.

The number of input genes that are to be used in the Predictive Model can be varied, for example 50, 40, 30, 20, 10, 5, 2, or 1 gene(s) can be used. In one

embodiment, at least 50 genes are used.

A gene list is generated comparing high predictive accuracy to the number of genes used. In one embodiment, optimum gene lists for all input gene lists are combined for each training and test set and then these combined lists for all five training and test sets are merged to create an aggregate list of predictive genes. The aggregate list can then be subdivided to smaller lists of genes based on the number of times that the genes occurred on the predictive gene lists for an individual training or test set. The resulting gene lists are designated herein as Combo 5, 4, 3, 2, or 1 lists. The genes that were predictive in all 5 training and test sets are designated as Combo 5 and the genes that were predictive in 4 of 5 training and test sets are designated as Combo 4 and so forth. Table 26 presents gene names, accession numbers and sequence information for the liver inflammation predictive genes found by analysis of the database in the manner described above in accordance with one embodiment of the present invention. Each of these genes has been demonstrated to contribute to predictive performance for at least one input gene list and training/test set and one time point. Table 25 lists homologous genes for the RCT sequences that were identified by BLAST search using the GeneBank NR database as the target database. Referring now to Table 25, homologies are given from Blast searches using Phase 1/RCT sequence as the query sequence and GeneBank NR database as the target sequence database in accordance with one embodiment of the present invention. The best Blast homology sequence observed is given. In general, no significant homology indicates that no Blast match was observed with a BIT score > 100.

Evaluation of Predictive Genes for Liver Inflammation: The predictive genes are evaluated for predictive performance as illustrated in Figure 2. For each gene list prediction, a table of data is generated using the Predictive Model which includes: the test set containing information about the actual call (i.e., negative, necrosis with inflammation, necrosis), the predicted call (i.e., negative, necrosis with inflammation, necrosis), and the P-value cutoff ratio. Expression data that can be used with the K-nearest neighbor model and predictive genes to enable one skilled in the art to make

predictions are given in Tables 28-30.

Referring now to Table 28, gene expression data for 6 hour timepoint are presented as mean ratio of treatment/control for all 6 hour predictive genes as presented in Table 18.

Referring now to Table 29, gene expression data for 24 hour timepoint are presented as mean ratio of treatment/control for all 24 hour predictive genes as presented in Table 5.

Referring now to Table 30, (1) gene expression data for 72 hour timepoint are presented as mean ratio of treatment/control for all 72 hour predictive genes as presented in Table 23. (2) Compound Dose indicates that compound and dose abbreviations are defined in Table 1. (3) Animal Number indicates the number of the individual animal in which the compound is tested. (4) Liver inflammation toxicity classification information as for compound-dose group at 72 h: yes -necr, indicates that necrosis was observed; yes-both, indicates that necrosis with inflammation was observed; no, indicates that no histopathology was observed. (5) Gene name is the Predictive gene (as in Table 23 and as included in Table 26).

The combined list of predictive genes or alternatively, Combo 5, 4, 3, 2, or 1 list or subsets thereof is used as input into the Predictive Model. As an external verification of the predictive abilities of the genes found to be predictive for liver inflammation, random lists of genes may be generated and also used as input into the Predictive Model. Example 2 describes the evaluation of the predictive performance of the liver inflammation predictive genes.

Predictive performance may also be assessed using data from different time points after exposure to the agent. In one embodiment, 24 hour expression data is used. In another embodiment, 6 hour expression data is used, as described in Examples 3 and 4. In another embodiment, 72 hour expression data is used, as described in Example 5 and 6. As illustrated in Table 9, the predictive accuracy using

24 hour expression data and the largest predictive gene list is about 86%.

Somewhat lower predictive accuracies were observed for the 6h and 72 h data. All of the combo lists as well as Combo All list had significantly higher accuracy than using random classifications.

Predictive performance may also be assessed using subsets of genes from the different Combo lists. As indicated in Example 2, most randomly selected subsets of the Combo gene lists yielded predictive performances of about 70% or greater and even individual genes had mean predictive accuracies that were often greater than about 70%. In one embodiment, using 10 genes from Combo All yields about 84% accuracy. Using different Combo lists may require a greater number of genes to reach the same accuracy level.

The liver inflammation predictive genes disclosed herein and liver inflammation predictive genes identified by using methods disclosed herein are useful for predicting liver inflammation in response to exposure to one or more agents.

The discovery that relatively small sets of different genes have predictive value permits flexible applications. The choice of how many and which genes to use can be tailored to a variety of different purposes. Predictivity is observed for sets of a few genes. These small sets may be particularly advantageous in applications where measurement of only a few RNA species has considerable advantages in terms of sample processing logistics, speed and cost. These applications would include relatively high throughput screens for predictive capability. An example of this would be an early screen using small samples of primary cells or cultured cell lines that can be processed with automated robotic equipment for treatment and isolation of RNA followed by efficient technologies for measuring expression of a few RNA species such as branched chain technology or RT-PCR.

The use of larger numbers of predictive genes provides redundancy which may improve accuracy and precision. Applications using larger numbers of predictive

genes may include, for example, tests of drug candidates at later stages of commercial development. In this regard, larger numbers of predictive genes may be desirable at later stages of preclinical development of a therapeutic candidate, where *in vivo* samples can be obtained and more comprehensive methods such as microarray measurement of gene expression are appropriate. The larger gene sets can also include different subsets of genes which may offer more insight into potential mechanisms of toxicity, providing the potential to predict long term toxic consequences such as chronic, irreversible toxicity or carcinogenicity.

Some genes within the liver inflammation predictive gene sets provided herein may also be suitable for prediction of toxicity in other organs or may be preferable for predicting toxicity for wider ranges of timepoints or treatment routes or regimens. As an example of the latter, some of the predictive genes are observed at three different timepoints after treatment. These genes may be useful for prediction in cases where the samples come from treatment protocols that have different measurement timepoints or routes of administration than those employed for the database used in the discovery of the predictive genes disclosed herein or where the toxicokinetics for a particular agent are known or suspected to be different from those in the database.

In one embodiment, the agent is an agent for which no expression profile has been assessed or stored in the database or library. An animal, e.g., rat, is dosed with such an agent and the gene expression profile(s) is the test set for the Predictive Model. The training set which is used in the Predictive Model in this case can be the entire database of sample array data because the test set data is not present in the database. The prediction can be made with accuracy without the use of histopathology scores as part of the input into the Predictive Model.

In another embodiment the agent is an agent present in the database but is used at a different dose level or with a different treatment protocol than used in the database. The training set which is used in the Predictive Model in this case can be the entire database of sample array data because the test set data is not present in

the database. Again, the prediction can be made with accuracy without the use of histopathology scores as part of the input into the Predictive Model.

In another embodiment, the exposure time of the agent is other than 6, 24, or 72 hours, or repeat dosing protocols are used. In this case, the skilled artisan can use the predictive toxicity genes from surrounding time points to extrapolate the predicted toxicity without undue experimentation. For example, if the individual has been exposed to the agent for 12 hours, then predictive genes from 6 and 24 hours timepoints are used as guidelines for extrapolating toxicity predictions.

In another embodiment, the liver inflammation predictive genes and a predictive model can be used to determine the presence or absence of a no-observed toxicity effect level. An agent can be used at different treatment levels and expression profiles obtained for each treatment level. The predictive genes and predictive model can be used to determine which dose levels elicit a response that is predicted to be toxic and which dose levels are not toxic. In contrast to conventional endpoints for determining no-effect levels, the use of expression data, predictive genes and predictive models applies a number of quantitative endpoints and criteria instead of subjective endpoints and criteria. This permits more rigorous and precisely defined determination of no effect levels.

In another embodiment, the liver inflammation predictive genes can be used to detect toxic effects that may be manifested as long lasting or chronic consequences such as irreversible toxicity or carcinogenesis. The predictive genes and model can be applied to databases where classifications of training and test set samples are made with respect to actual or putative endpoints such as irreversible toxicity or carcinogenicity.

In another embodiment, the predictive genes can be used in a variety of alternative models to predict liver inflammation. Some of these models do not require the direct use of data in a database but use functions or coefficients derived from the database. In another embodiment, the predictive genes and models may be used to

evaluate *in vitro* systems for their ability to reflect *in vivo* toxic events and to use such *in vitro* systems for predicting *in vivo* toxicity. Expression profiles for predictive genes can be created from candidate *in vitro* assays using treatments with agents of known *in vivo* toxicity and for which *in vivo* data on gene expression are available. The expression data and predictive models of this invention can be used to determine whether the *in vitro* assay system has predictive gene expression responses that accurately reflect the *in vivo* situation. Large sets of predictive genes as described in one embodiment of the present invention can be tested in such models for their suitability and performance with the candidate *in vitro* systems. This is a superior and novel tool for evaluating and optimizing *in vitro* systems for their ability to reflect and accurately predict *in vivo* responses.

In another embodiment, the predictive genes and models may be used with an *in vitro* system to accurately predict *in vivo* toxicity. *In vitro* systems that have been evaluated and optimized as described above are treated with test agents and expression profiles are measured for predictive genes. The expression profiles are used in conjunction with a predictive model to predict *in vivo* toxicity. In this embodiment, there can be considerable reduction in the use of laboratory animals. Additionally the application of this embodiment to *in vitro* human systems can provide a unique capability to accurately predict human toxic responses without human *in vivo* exposure or treatment.

In another embodiment, measurement of the expression levels of the proteins encoded by the predictive genes can be used in conjunction with predictive models to predict toxicity. Among the full set of liver inflammation predictive genes are various genes known to encode cell surface, secreted and/or shed proteins. This enables the development of methods for predicting toxicity using protein biomarkers. For example, as disclosed in Table 27, there are 39 genes in the master predictive set which are known to encode secreted proteins. The protein products are easier to access since they are secreted into body fluids and are thus more amenable to be quantified. Thus, in another aspect of the present invention, liver inflammation predictive assays which

detect the expression of one or more of said predictive proteins may be developed. Such assays may have several advantages, such as:

Ability to use archived tissue specimens such as preserved or embedded tissues which are not suitable for measurement of RNA expression.

Ability to examine predictive protein expression in tissue slides using *in situ* labeling and microscopic observation. This is useful for detecting predictive toxicity signals occurring in very small sub-populations of cells.

Ability to detect protein markers in specimens that can be readily obtained with little or no invasiveness (e.g., blood, urine, sweat, saliva).

Reduction in animal use in laboratory studies such that no sacrifice of animals necessary to obtain tissue specimens when toxicity prediction can be made with specimens that can be obtained without animal sacrifice or surgery.

Application for human use where tissue specimens cannot be obtained or are only obtained with great difficulty.

In another embodiment, the identified predictive genes can be considered as potential therapeutic targets when the genes are involved in toxic damage or repair responses whose expression or functional modification may attenuate, ameliorate or eliminate disease conditions or adverse symptoms of disease conditions.

In another embodiment the predictive genes can be organized into clusters of genes that exhibit similar patterns of expression by a variety of statistical procedures commonly used to identify such coordinate expression patterns. Common functional properties of these clustered genes can be used to provide insight into the functional relationship of the response of these genes to toxic effects. Common genetic properties of these genes (e.g., common regulatory sequences) may provide insight into functional aspects by revealing known or novel similarities in the coding region of the genes. The presence of common known or novel signal transduction systems that

regulate expression of the genes can also provide functional insight. The presence of common known or novel regulatory sequences in the identified predictive genes can also be used to identify additional liver inflammation predictive genes.

In yet another embodiment, the liver inflammation predictive genes can be used to predict toxicity responses in other species, for example, human, non-human primate, mouse, hamster, guinea pig, hamster, rabbit, cattle, sheep, pig, chicken, and dog. Some members of the liver inflammation predictive genes may also be more suitable for prediction of toxicity in species other than the species used to derive the database (rat in the case of the examples provided). One method for identifying such genes involves examining DNA sequence databases to identify and characterize orthologous sequences to the predictive genes in the target species. One of skill in the art can examine the orthologous sequences for similarity in amino acid coding regions and motifs as well as for similarities in regulatory regions and motifs of the gene.

In another embodiment, liver inflammation predictive genes or gene sequences are used for screening other potential toxicity predictive genes or gene sequences in other species or even within the same species using methods known in the art. See, for example, Sambrook supra. Gene sequences which hybridize under stringent conditions to the liver inflammation predictive gene sequences disclosed herein may Additionally, genes which be selected as potential toxicity predictive genes. demonstrate significant homology with the liver inflammation predictive genes disclosed herein (preferably at least about 70%) may be selected as toxicity predictive It is understood that conservative substitutions of amino acids are gene candidates. possible for gene sequences which have some percentage homology with the liver inflammation predictive gene sequences of this invention. A conservative substitution in a protein is a substitution of one amino acid with an amino acid with similar size and charge. Groups of amino acids known normally to be equivalent are: (a) Ala, Ser, Thr, Pro, and Gly; (b) Asn, Asp, Glu, and Gln; (c) His, Arg, and Lys; (d) Met, Glu, Ile, and Val: and (e) Phe, Tyr, and Trp.

It is understood that the predictive liver inflammation genes can be used as guides to predicting toxicity for agents that have been administered via different routes (intraperitoneal, intravenous, oral, dermal, inhalation, mucosal, etc.) from the routes that were used to generate the database or to identify the liver inflammation predictive genes. Furthermore, the invention is not intended to be limiting to agents that have been administered at different dosages than the agents that were used to generate the database or to identify the predictive liver inflammation genes.

Data described in the examples were generated using the microarray technology disclosed in the Examples. However, the invention is not dependent on using this particular platform. Other similar gene expression analysis technologies may be incorporated in the practice of this invention. These can include, but are not limited to, other arrays containing the predictive genes, RT-PCR (e.g., TaqMan®), branched chain technology, RNAse protection or any other method which quantitatively detects the expression of RNA polynucleotides. Embodiments of the present invention can be practiced using these other technologies by generating a database of expression measurements for the predictive genes using samples such as those used in the database described in Example 1. This database can then be used in a model such as the K-nearest neighbor model or can be used to develop any of a number of other models.

The following Examples are provided to illustrate but not to limit the invention in any manner.

EXAMPLES

Example 1 Database of Compounds and Liver Inflammation: Compounds and treatments list used to construct the liver database are given in Table 1. This table also provides the evaluation of the liver inflammation observed in samples collected 72 hours after treatment.

Sprague Dawley rats Crl:CD from Charles River, Raleigh, NC were divided into treated rats that receive a specific concentration of the compound (see Table 1) and

the control rats that only received the vehicle in which the compound is mixed (e.g., saline).

At specified timepoints (6h, 24h and 72h) after administration (intraperitoneal route) of the compound, a set number of rats (usually 3 control and 3 treated) were euthanized and tissues collected. Each rat was heavily sedated with an overdose of CO₂ by inhalation and a maximum amount of blood drawn. Exsanguination of the rat by this drawing of blood kills the rat. The method of collecting the tissues is very important and ensures preserving the quality of the mRNA in the tissues. The body of the rat was then opened up and prosectors rapidly removed the tissues (including liver) and immediately placed them into liquid nitrogen. All of the organs/tissues were completely frozen within 3 minutes of the death of the animal to ensure that mRNA did not degrade. The organs/tissues were then packaged into well-labeled plastic freezer quality bags and stored at –80 degrees until needed for isolation of the mRNA from a portion of the organ/tissue sample.

Isolating DNA/RNA from animal tissues or cells: Total RNA was isolated from liver tissue samples using the following materials: Qiagen RNeasy midi kits, 2-mercaptoethanol, liquid N_2 , tissue homogenizer, dry ice samples were kept on ice when specified.

If a tissue needed to be broken, then the tissue sample was placed on a double layer of aluminum foil which was then placed within a weigh boat containing a small amount of liquid nitrogen. The aluminum foil was folded around the tissue and then struck by a small foil-wrapped hammer to administer mechanical stress forces.

About 0.15-0.20 g of liver tissue was weighed out and placed in a sterile container. To preserve integrity of the RNA, all tissues were kept on dry ice when other samples were being weighed. A RLT (Qiagen®) buffer was added to the sample to aid in the homogenization process. The tissue was homogenized using commercially available homogenizer (IKA Ultra Turrax T25 homogenizer) with the 7 mm microfine sawtooth shaft and generator (195 mm long with a processing range of 0.25 ml to 20 ml, item #

372718). After homogenization, samples were stored on ice until all samples were homogenized. The homogenized tissue sample was spun to remove nuclei thus reducing DNA contamination. The supernatant of the lysate was then transferred to a clean container containing an equal volume of 70% EtOH in DEPC treated H₂O and mixed. RNA was isolated by putting the supernatant through an RNeasy spin column, washed, and subsequently eluted. Small quantities of remaining DNA were removed by use of DNase enzyme during the RNA isolation procedure following the instructions provided by Qiagen and alternatively by lithium chloride (LiCl) precipitation following the RNA isolation. The isolated RNA pellet was stored in Rnase-free water or in an RNA storage buffer (10 mM sodium citrate), Ambion Cat #7000. The RNA amount was then quantitated using a spectrophotometer.

Rat 700 CT chip: Gene expression data was generated from a microarray chip that has a set of toxicologically relevant rat genes which are used to predict toxicological responses. The rat 700 CT gene array is disclosed in pending U.S. applications 60/264,933; 60/308,161; and pending application filed on January 29, 2002 (serial number 10/060,893).

Microarray RT reaction: Fluorescence-labeled first strand Cdna probe was made from the total RNA or Mrna isolated from livers of control and treated rats. This probe was hybridized to microarray slides spotted with DNA specific for toxicologically relevant genes. The materials needed are: total or messenger RNA, primer, Superscript II buffer, dithiothreitol (DTT), nucleotide mix, Cy3 or Cy5 dye, Superscript II (RT), ammonium acetate, 70% EtOH, PCR machine, and ice.

The volume of each sample that would contain 20µg of total RNA (or 2µg of Mrna) was calculated. The amount of DEPC water needed to bring the total volume of each RNA sample to 14 µl was also calculated. If RNA was too dilute, the samples were concentrated to a volume of less than 14 µl in a speedvac without heat. The speedvac must be capable of generating a vacuum of 0 Milli-Torr so that samples can freeze dry under these conditions. Sufficient volume of DEPC water was added to bring the total

volume of each RNA sample to 14 μ l. Each PCR tube was labeled with the name of the sample or control reaction. The appropriate volume of DEPC water and 8 μ l of anchored oligo Dt mix (stored at -20° C) was added to each tube.

Then the appropriate volume of each RNA sample was added to the labeled PCR tube. The samples were mixed by pipeting. The tubes were kept on ice until all samples are ready for the next step. It is preferable for the tubes to kept on ice until the next step is ready to proceed. The samples were incubated in a PCR machine for 10 minutes at 70°C followed by 4°C incubation period until the sample tubes were ready to be retrieved. The sample tubes were left at 4°C for at least 2 minutes.

The Cy dyes are light sensitive, so any solutions or samples containing Cy-dyes should be kept out of light as much as possible (e.g., cover with foil) after this point in the process. Sufficient amounts of Cy3 and Cy5 reverse transcription mix were prepared for one to two more reactions than would actually be run by scaling up the following:For labeling with Cy3:

8 ul 5x First Strand Buffer for Superscript II, ul 0.1 M DTT, 2 ul Nucleotide Mix, 2 ul of 1:8 dilution of Cy3 (e.g.,, 0.125Mm cy3Dctp), and 2 ul Superscript II

For labeling with Cy5.

8 ul 5x First Strand Buffer for Superscript II, 4 ul 0.1 M DTT, 2 ul Nucleotide Mix, 2 ul of 1:10 dilution of Cy5 (e.g.,, 0.1Mm Cy5Dctp), and 2 ul Superscript II

About 18 µl of the pink Cy3 mix was added to each treated sample and 18 µl of the blue Cy5 mix was added to each control sample. Each sample was mixed by pipeting. The samples were placed in a DNA engine (PTC-200 Petier Thermal Cycler, MJ Research) for 2 hours at 45°C followed by 4°C until the sample tubes were ready to be retrieved.

In addition to the desired cDNA product, the completed RT reaction contained impurities that must be removed. These impurities included excess primers, nucleotides, and dyes. The primary method of removing the impurities was by following the instructions in the QIAquick PCR purification kit (Qiagen cat#120016).

Alternatively, the completed RT reactions were cleaned of impurities by ethanol precipitation and resin bead binding. The samples from DNA engine were transferred to Eppendorf tubes containing 600 µl of ethanol precipitation mixture and placed in – 80°C freezer for at least 20-30 minutes. These samples were centrifuged for 15 minutes at 20800 x g (14000 rpm in Eppendorf model 5417C) and carefully the supernatant was decanted. A visible pellet was seen (pink/red for Cy3, blue for Cy5). Ice cold 70% EtOH (about 1 ml per tube) was used to wash the tubes and the tubes were subsequently inverted to clean tube and pellet. The tubes were centrifuged for 10 minutes at 20800 imes g (14000 rpm in Eppendorf model 5417C), then the supernatant was carefully decanted. The tubes were air dried for about 5 to 10 minutes, protected from light. When the pellets were dried, they were resuspended in 80 ul nanopure water. The cDNA/mRNA hybrid was denatured by heating for 5 minutes at 95°C in a heat block and flash spun. Then the lid of a "Millipore MAHV N45" 96 well plate was labeled with the appropriate sample numbers. A blue gasket and waste plate (vbottom 96 well) was attached. About 160 µl of Wizard DNA Binding Resin (Promega cat#A1151) was added to each well of the filter plate that was used. Probes were added to the appropriate wells (80 µl cDNA samples) containing the Binding Resin. The reaction is mixed by pipeting up and down ~10 times. The plates were centrifuged at 2500 rpm for 5 minutes (Beckman GS-6 or equivalent) and then the filtrate was decanted. About 200 µl of 80% isopropanol was added, the plates were spun for 5 minutes at 2500 rpm, and the filtrate was discarded. Then the 80% isopropanol wash and spin step was repeated. The filter plate was placed on a clean collection plate (v-bottom 96 well) and 80 μl of Nanopure water, pH 8.0-8.5 was added. The pH was adjusted with NaOH. The filter plate was secured to the collection plate and after 5 minutes was centrifuged for 7 minutes at 2500 rpm.

Purification of Cy –Dye Labeled cDNA: To purify fluorescence-labeled first strand cDNA probes, the following materials were used: Millipore MAHV N45 96 well plate, v-bottom 96 well plate (Costar), Wizard DNA binding Resin, wide orifice pipette tips for 200 to 300 µl volumes, isopropanol, nanopure water. It is highly preferable to keep the

plates aligned at all times during centrifugation. Misaligned plates lead to sample cross contamination and/or sample loss. It is also important that plate carriers are seated properly in the centrifuge rotor.

The lid of a "Millipore MAHV N45" 96 well plate was labeled with the appropriate sample numbers. A blue gasket and waste plate (v-bottom 96 well) was attached. Wizard DNA Binding Resin (Promega cat#A1151) was shaken immediately prior to use for thorough resuspension. About 160 µl of Wizard DNA Binding Resin was added to each well of the filter plate that was used. If this was done with a multichannel pipette, wide orifice pipette tips would have been used to prevent clogging. It is highly preferable not to touch or puncture the membrane of the filter plate with a pipette tip. Probes were added to the appropriate wells (80 µl cDNA samples) containing the Binding Resin. The reaction is mixed by pipeting up and down ~10 times. It is preferable to use regular, unfiltered pipette tips for this step. The plates were centrifuged at 2500 rpm for 5 minutes (Beckman GS-6 or equivalent) and then the filtrate was decanted. About 200 µl of 80% isopropanol was added, the plates were spun for 5 minutes at 2500 rpm, and the filtrate was discarded. Then the 80% isopropanol wash and spin step was repeated. The filter plate was placed on a clean collection plate (v-bottom 96 well) and 80 µl of Nanopure water, pH 8.0-8.5 was added. The pH was adjusted with NaOH. The filter plate was secured to the collection plate with tape to ensure that the plate did not slide during the final spin. The plate sat for 5 minutes and was centrifuged for 7 minutes at 2500 rpm. Replicates of samples should be pooled.

Dry-down Process: Concentration of the cDNA probes is preferable so that they can be resuspended in hybridization buffer at the appropriate volume. The volume of the control cDNA (Cy-5) was measured and divided by the number of samples to determine the appropriate amount to add to each test cDNA (Cy-3). Eppendorf tubes were labeled for each test sample and the appropriate amount of control cDNA was allocated into each tube. The test samples (Cy-3) were added to the appropriate tubes. These tubes were placed in a speed-vac to dry down, with foil covering any

windows on the speed vac. At this point, heat (45°C) may be used to expedite the drying process. Samples may be saved in dried form at -20°C for up to 14 days.

Microarray Hybridization: To hybridize labeled cDNA probes to single stranded, covalently bound DNA target genes on glass slide microarrays, the following material were used: formamide, SSC, SDS, 2 μm syringe filter, salmon sperm DNA (Sigma, cat # D-7656), human Cot-1 DNA (Life Technologies, cat # 15279-011), poly A (40 mer: Life Technologies, custom synthesized), yeast tRNA (Life Technologies, cat # 15401-04), hybridization chambers, incubator, coverslips, parafilm, heat blocks. It is preferable that the array is completely covered to ensure proper hybridization.

About 30 μ l of hybridization buffer was prepared per cDNA sample (control rat cDNA plus treated rat cDNA). Slightly more than is what is needed should be made since about 100 μ l of the total volume made for all hybridizations can be lost during filtration.

Hybridization Buffer:	for 100 μl:
• 50% Formamide	50 μl formamide
• 5X SSC	25 µl 20X SSC
• 0.1% SDS	25 µl 0.4% SDS

The solution was filtered through 0.2 μm syringe filter, then the volume was measured. About 1 μl of salmon sperm DNA (10mg/ml) was added per 100 μl of buffer.

Alternatively, the hybridization buffer was made up as:

Hybridization Buffer:50% Formamide	for 101 μl: 50 μl formamide
• 10X SSC	50 μl 20X SSC
• 0.2% SDS	1 µl 20% SDS

The solution was filtered through 0.2 μm syringe filter, then the volume was measured. One microliter of salmon sperm DNA (9.7mg/ml), 0.5 μl Human Cot-1 DNA

 $(5 \mu g/\mu l)$, 0.5 μl poly A $(5 \mu g/\mu l)$, 0.25 μl Yeast tRNA $(10 \mu g/\mu l)$ was added per 100 μl of buffer. The hybridization buffers were compared in validation studies and there was no change in differential gene expression data between the two buffers.

Materials used for hybridization were: 2 Eppendorf tube racks, hybridization chambers (2 arrays per chamber), slides, coverslips, and parafilm. About 30 μ l of nanopure water was added to each hybridization chamber. Slides and coverslips were cleaned using N₂ stream. About 30 μ l of hybridization buffer was added to dried probe and vortexed gently for 5 seconds. The probe remained in the dark for 10-15 minutes at room temperature and then was gently vortexed for several seconds and then was flash spun in the microfuge. The probes were boiled or placed in a 95 °C heat block for 5 minutes and centrifuged for 3 min at 20800 x g (14000 rpm, Eppendorf model 5417C). Probes were placed in 70 °C heat block. Each probe remained in this heat block until it was ready for hybridization.

About 25 μ l was pipeted onto a coverslip. It is highly preferable to avoid the material at the bottom of the tube and to avoid generating air bubbles. This may mean leaving about 1 μ l remaining in the pipette tip. The slide was gently lowered, face side down, onto the sample so that the coverslip covered that portion of the slide containing the array. Slides were placed in a hybridization chamber (2 per chamber). The lid of the chamber was wrapped with parafilm and the slides were placed in a 42°C humidity chamber in a 42°C incubator. It is preferable to not let probes or slides sit at room temperature for long periods. The slides were incubated for 18-24 hours.

Post-Hybridization Washing: To obtain only single stranded cDNA probes tightly bound to the sense strand of target cDNA on the array, all non-specifically bound cDNA probe should be removed from the array. Removal of all non-specifically bound cDNA probe was accomplished by washing the array and using the following materials: slide holder, glass washing dish, SSC, SDS, and nanopure water. Six glass buffer chambers and glass slide holders were set up with 2X SSC buffer heated to 30-34°C and used to fill up glass dish to 3/4th of volume or enough to submerge the

microarrays. The slides were placed in 2X SSC buffer for 2 to 4 minutes while the cover slips fall off. The slides were then moved to 2X SSC, 0.1% SDS and soaked for 5 minutes. The slides were transferred into 0.1X SSC and 0.1% SDS for 5 minutes. Then the slides are transferred to 0.1X SSC for 5 minutes. The slides, still in the slide carrier, were transferred into nanopure water (18 megaohms) for 1 second. To dry the slides, the stainless steel slide carriers were placed on micro-carrier plates and spun in a centrifuge (Beckman GS-6 or equivalent) for 5 minutes at 1000 rpm.

The washed and dried hybridized slides were scanned on Axon Instruments Inc. GenePix 4000A MicroArray Scanner and the fluorescent readings from this scanner converted into quantitation files (.gpr) on a computer using GenePix software.

Array Data, Normalization and Transformation: GeneSpringTM software (Version 4.1, Silicon Genetics) was used for statistical analyses including identification of genes expressions correlating with histopathology scores, K-means and tree cluster analysis, and predictive modeling using the k nearest neighbor (Predict Parameter Values tool).

Microarray data were loaded into GeneSpring™ software for analysis as GenePix files as above. Specific data loaded into GeneSpring™ software included gene name, GenBank ID control channel mean fluorescence and signal channel mean fluorescence. Expression ratio data (ratio of signal to control fluorescence) were normalized using the 50th percentile of the distribution of all genes and control channel. Ratio data were excluded from analysis if the control channel value was <0. For analysis of correlations and predictive values gene expression ratios were transformed as the log of the ratio.

Correlation with Histopathology Scores: Histopathology scores for each animal (assigned on a compound-dose basis as indicated in Table 1) were entered with gene expression data by using the GeneSpring™ 'Drawn Gene' function. Correlations between inflammation histopathology scores and gene expression were conducted with the distance measures listed below:

standard positive and negative correlation

smooth positive and negative correlation positive correlation upregulated positive correlation positive and negative correlation positive and negative correlation positive and negative correlation

distance positive correlation

These correlation or similarity measures are standard statistical correlation measures that are described in the GeneSpring Advanced Analysis Techniques Manual (Release Date March 13, 2001, Silicon Genetics). Where both positive and negative correlations were obtained combined positive and negative correlating gene lists were also created.

The Predict Parameter Values tool in GeneSpring™ software was used for liver inflammation class prediction. The following is a summary of the procedure used in the GeneSpring predictive software. This is described in GeneSpring Advanced Analysis Techniques Manual (Release Date March 13, 2001, Silicon Genetics) with additional information supplied by Silicon Genetics and a statistical expert. The prediction tool relies on standard statistical procedures that can be implemented in a variety of statistical software packages.

Gene Selection: The first step is variable selection of genes to be used for prediction. This entails taking a single gene and a single class (e.g., liver inflammation) and creating a contingency table. In the table below, columns 1 through N of the table each represent one possible cutoff point based on the gene expression level (ratio of signal/control) for that class. The number of possible cutoffs is less than or equal to the total number of samples for the class (e.g., A). It is possibly less than the total number, since there may be ties in gene expression level. Hence, N, M, and X may or may not be distinct. In the example, an n-class problem is illustrated, where X and X entries are the class counts at that gene expression cutoff level, for that specific gene and class, either above ("a") or below ("b") the cutoff. "Class1" is the set of all samples (above or below) the cutoff for Class1, and "!Class1" are all those not in Class1 (above or below) the cutoff, and similarly for the other classes. The class

totals in the training set are the total class marginals used to compute Fisher's exact test.

For a specific gene, and for each class, the best p-value as calculated by Fisher's Exact Test for independence between one of the pair of columns (e.g., 1a and 1b) and the actual class totals (e.g., A) is used to score the gene (-ln(p) = the score) for that class. Thus, there are N (or, M, Q etc.) contingency tables, where the best score of the N tables is used for that class and gene. If there is a wide disparity between the above and below counts in either the a or b column (this is a two-sided Fisher's Exact Test), the smaller the p-value and the higher the score.

The genes per class are rank ordered by the most discriminating (highest) score. The predictivity list is composed of the most discriminating genes per class. Namely, genes are combined that best discriminate class 1 with those that best discriminate class 2 and so on. The genes are selected in rotation of the highest score per class. Duplicate genes are ignored in the rotation and not added to the list, the gene with the next highest score is taken.

The training samples now have only the gene list garnered from the above procedure. As an example, where once the training samples may have had an initial list of 200 genes per sample, they now have only a subset composed of the gene list, say, 60 (the number of predictivity genes specified) that are selected from the initial list by the gene selections procedure. Thus, each sample is a vector of 60 normalized expression ratios. Since the selection of genes is done in rotation, for 2 classes, the list contains 30 genes for class one, and 30 genes for class two. For 3 classes the list contains 20 genes for class one, 20 for class two, and 20 for class three, etc. The matrix below illustrates the basic features of this gene selection process.

Gene 1	1a	1b	 Na	Na	
Class	Expression above	Expression below	 Expression above	Expression below	Actual Class Totals (Marginals)
Class1	x1.1a	x1.1b	 x1.Na	x1.Nb	Α

!Class1	y1.1a	y1.1b		y1.Na	y1.Nb	В
Gene 1	1	2		M		
Class2	x1.2a	x1.2b		x1.Ma		С
!Class2	y1.2a	y1.2b		y1.Ma		D
			1			•
Gene 1	1	2		Qa	Qb	
Classn	x1.na	x1.nb		x1.Qa	x1.Qb	X
!Classn	y1.na	y1.nb		y1.Qa	y1.Qb	Y

After the genes to be used in the training set have been selected, the test set is classified based on the k-nearest neighbor (knn) voting procedure. Using just those genes in the gene list, for each sample in the test set of samples, the k nearest neighbors in the training set are found with the Euclidean distance. The class in which each of the k nearest neighbors is determined, and the test set sample is assigned to the class with the largest representation in the k nearest neighbors after adjusting for the proportion of classes in the training set.

For example, in a two-class problem, let there be 30 samples of class 1 and 60 samples of class 2 in the training set. With k = 9 say it can be determined that 7 of the nearest neighbors to a sample from the testing set are in class 1. The sample can then be classified as being a member of class 1. If another sample from the test set has a total of 4 nearest neighbors in class 1, after adjusting for the proportion, this sample would be assigned to class 1 rather than class 2, even though the majority vote suggests assignation to class 2.

The decision threshold is a mechanism to help clearly define the class into which the sample will fall, and can be set to reject classification if the voting is very close or tied. (Thus, k can be even for two-class problems without worrying about the tie problem.) A p-value is calculated for the proportion of neighbors in each class against the proportions found in the training set, again using Fisher's exact test, but now a one-sided test.

For example, let k = 11, if the proportion of neighbors of class 1 in the test set is

6/11, and the proportion of class 1 in a 100 sample training set is 0.4, the *p*-value calculated is 0.29 (half the two-sided test). If the proportion in the training set is 0.1, the *p*-value is 0.004. The smaller the *p*-value the greater the likelihood that the sample from the testing set belongs to that class.

A p-value ratio (P-value) is set as a way of setting the level of confidence in individual sample predictions based on the ratio of p-values for the best class (lowest p-value) versus the second best class (second lowest p-value). For example, if the P-value is set at 0.5 and the ratio of p-values for a particular sample is 0.6, then the predictive model will not make a call for that sample.

Data were each separated into 5 training and test sets by randomly distributing the compounds into the sets. This was accomplished by assigning random numbers to lists of compounds that are negative and positive for histopathology, sorting by random number, and then dividing the sorted lists into a specific number of training and test sets. The training and test set assignments are presented in Table 2.

Liver inflammation classifications were entered for training and test set as a parameter column. Toxicity, as defined by observation of liver necrosis or necrosis with inflammation at 72 hours after treatment, was entered as "negative", "positive-necrosis", or "positive-necrosis with inflammation" for each animal in a compound-dose group. Additionally, a parameter column for random histopathology classification was designated. This was done by randomly assigning the same number of "negative", "positive-necrosis", or "positive-necrosis with inflammation" calls to the individual animals.

The "Predict Parameter Value" tool of GeneSpring was used with each of the training and test sets to generate predictions of histopathology classifications of the test sets. The number of k nearest neighbors was optimized to give the highest predictive accuracy. This was done by first running predictions at different nearest neighbors for three of the training and test sets, and then evaluating the overall predictive performance for each number of nearest neighbors. A P-value ratio cutoff of

0.5 was used. The number of genes used to predict was varied with standard numbers of 50, 40, 30, 20, 10, 5, 2 and 1 genes used. For each number of genes the numbers of correct calls, incorrect calls and non-calls were recorded. Non-calls are cases where no prediction was made because the P-value ratio exceeded the specified P-value ratio cutoff. Calculations were made for overall percent correct calls (number of correct classifications/number or samples), percent correct calls of called samples (number of correct classifications/number of samples with calls) and percent of called samples (samples with calls/number of samples).

For each input list and optimal number of predictive genes (lowest number of genes giving a maximum overall percent of correct calls) additional information was recorded that included the list of specific genes in the optimum predictive set.

Expression array data were first examined for the existence of genes whose expression correlated with histopathology scores. Table 1 presents a list of the compounds and dose levels along with the liver histopathology classification and histopathology severity scores used for this analysis. For each distance measure the probability was adjusted in increments of 0.05 until at least 50 correlating genes were obtained. Lists of correlating genes were obtained using the distance measures described in Materials and Methods. Example sets of correlating genes are provided in Tables 3 and 4.

The correlating gene lists as well as the entire array gene list were provided as input lists to the GeneSpring Predict Parameter value tool (described in Materials and Methods) that employs a k nearest neighbor (knn) predictive model. These lists as well as the entire array gene list were used for each of the five training and test sets defined in Materials and Methods to generate predictions of histopathology classifications of the test sets. Input genes for the Predict Parameter Value feature included all 700 genes in the GenePix file (the rat CT Array) which were disclosed in a currently pending application (serial number 10/060,893) filed on January 29, 2002, as well as smaller lists of genes whose expressions correlated with histopathology by the

correlation measures described previously. The number of genes used to predict are varied with standard numbers of 50, 40, 30, 20, 10, 5, 2 and 1 genes used. The specified number of predictive genes was varied to obtain an optimum number of predictive genes.

After this was done for all 5 training and test sets, all gene lists were then merged to create one aggregate list of predictive genes. Each gene on this aggregate list has predictive value for at least one of the training and test sets because it was observed to contribute to an optimum predictivity for a specific training/test set. The aggregate list was subdivided into smaller lists of genes based on the number of times a gene was predictive for an individual training or test set. For example, if 5 training and test sets were used, genes that were predictive in all 5 training and test sets were designated as Combo (combination) 5. Genes that were predictive in only 4 of 5 training and test sets were designated as Combo 4, etc. A list of predictive genes organized by their occurrence in the separate training and test sets is presented in Table 5. The combination category is the number of training/test set gene lists occurrences.

Example 2

The database used was as described in Example 1.

Array data, normalization procedures and transformations used in these analyses are as described in Example 1. Table 29 presents 24 hour gene expression data for the predictive genes. These data can be used with a k nearest neighbor prediction model (as available in GeneSpring or other statistical software packages) to make predictions as described in this example.

The Predict Parameter Values tool in GeneSpring™ software_was used for liver inflammation class prediction. A description of this tool and the statistical procedures used is provided in Example 1.

The training and test data sets used are those described in Table 2 of Example 1.

Liver inflammation classifications used are described in Table 1 of Example 1. In this analysis randomized classifications (same number of "negative", "positive-necrosis", or "positive-necrosis with inflammation" classifications distributed randomly among the samples) were also used.

Prediction Output and Initial Data Processing: For each predicting gene list used for evaluation a table of data generated by the Predict Parameter Values tool in GeneSpring™ software was saved which provided for each sample in the test set the actual call ("negative", "positive-necrosis with inflammation", or "positive-necrosis"), the predicted call ("negative", "positive-necrosis with inflammation", or "positive-necrosis") and the P-value cutoff ratio. This set of data was used to calculate predictive performance measures provided below.

Measures of prediction used for these analyses are generally accepted prediction measures for information about actual and predicted classifications done by a classification system (Modern Applied Statistics with S-Plus, W. N. and B. D. Ripley, Springer, 1994, 3rd edition.; Proc. 14th International Conference on Machine Learning, Miroslav Kubat, Stan Matwin, 1997). Results from predictions of a three class case can be described as a three-class matrix:

		·	Predicted	
		Class I	Class II	Class III
	Class I	а	b	C
Actual	Class II	d	е	f
	Class III	g	h	i

Class I is defined as "negative-no histopathology."

Class II is defined as "positive-necrosis with inflammation"

Class III is defined as "positive-necrosis".

Standard terms used for prediction for the three class case are:

Overall Accuracy is the proportion of total number of predictions that are correct = (a + e + i)/(a + b + c + d + e + f + g + h + i)

False Positive (Inflammation) rate (FPI) is the proportion of cases that are negative for inflammation (Class I or Class III) incorrectly classified as being positive for inflammation (Class II) = (b + h)/(a + b + c + g + h + i)

False Negative (Inflammation) rate (FN_I) is the proportion of cases correctly classified as being positive for inflammation (Class II) that are incorrectly classified as negative for inflammation (Class I or Class III) = (d + f)/(d + e + f)

Geometric-mean is the performance measure that takes into account proportion of positive and negative cases (Kubat et al., *ibid*).

Geometric-mean (Inflammation) (GMM_I), which takes into account the proportion of positive and negative cases for inflammation, equals the square root of $TP_I^*TN_I$ where $TP_I = True\ Positive\ (Inflammation)\ rate\ (e/(d+e+f))\ and\ TN_I = True\ Negative\ (Inflammation)\ rate\ ((a+i)/(a+b+c+g+h+i)).$

Geometric-mean (Necrosis) (GMM_N), which takes into account the proportion of positive and negative cases for necrosis, equals the square root of $TP_N^*TN_N$ where TP_N = True Positive (Necrosis) rate ((h + i)/ (g + h + i)) and TN_N = True Negative (Necrosis) rate ((a)/ (a + b + c)).

In these analyses cases where no prediction was made because the p-value ratio exceeded the cutoff-value (generally 0.5) the non-call was considered to be incorrect. Non-calls of Class I samples are assumed to be Class II. Non-calls of Class II or Class III samples are assumed to be Class I.

Random Selected Gene Sets: Subsets of randomly selected genes were prepared

from the predictive gene sets to test whether such subsets would have predictive value. Assignments of genes to these subsets are presented in Tables 6-7. Genes were also randomly selected from the list of all genes excluding the 183 twenty-four hour predictive genes (also known as non-predictive genes) by assigning a random number to each gene, sorting by the random number and selecting the appropriate number of sorted genes. Assignments of genes to these subsets are presented in Table 8. The "*" identifies that the genes randomly selected from the Combo All list of predictive genes (183 genes) assigning a random number to each gene, sorting by the random number and selecting the appropriate number of sorted genes.

Results: Prediction results for 24 hour expression data using genes identified as predictive are presented in Table 9. Referring now to Table 9, "*" denotes that values are given as means and range of values (in parentheses) for five training/test sets using 24 hour array data and gene lists as presented in Table 5. Unit of prediction was the animal and the predictive classification was for liver inflammation or necrosis observed at 72 hours after treatment.

"**" denotes that standard prediction measures were used as defined in Materials and Methods above. These include:

Overall Accuracy = Proportion of total number of predictions that are correct; FP_i = False Positive (Inflammation) rate, the proportion of negative cases for inflammation that are incorrectly classified as positive for inflammation; FN = False Negative (Inflammation) rate, the proportion of positive cases for inflammation that are incorrectly classified as negative; GMM= Geometric Mean (Inflammation), performance measure that takes into account the proportion of positive and negative cases for inflammation; GMM_N = Geometric Mean (Necrosis), performance measure that takes into account the proportion of positive and negative cases for necrosis. Non-calls are counted as incorrect predictions as defined in Materials and Methods.

These data indicate a high accuracy in predicting liver inflammation. Mean accuracies were 0.85 (85% accuracy) or better for the entire predictive gene list

(Combo All) and the top two Combo gene lists (Combo 5 and Combo 3), and were close to 0.80 (80% accuracy) for the remaining Combo gene lists (Combo 2 and Combo 1). Because these predictions were conducted with multiple training/test set combinations it is possible to obtain an indication of the variability in prediction rates and robustness of the prediction capabilities of these gene sets. For the Combo All and other Combo lists the minimum predictive accuracy value for any one training and test set was greater than 0.70 (70%), with most lists giving 0.75 (75%) or better minimum accuracy. False positive and false negative prediction rates for inflammation (FP_I and FN_I, respectively) were generally low with means generally 0.17 (17%) or less for the Combo All, 5, and 3 gene sets.

The Geometric Mean (Inflammation) (GMM_I) was used as an indication of predictive performance that includes consideration of the proportion of positive and negative cases for inflammation. All gene sets gave GMM_I measures >0.75 (75%), and the Combo All, Combo 5, and Combo 3 gene sets had GMM_I measures >0.85. The Geometric Mean (Necrosis) (GMM_N) was used as an indication of predictive performance that includes consideration of the proportion of positive and negative cases for necrosis. All gene sets gave GMM_N measures >0.80 (80%). Together, both GMM measures indicate that the 24 hour gene sets can predict samples with necrosis or samples with necrosis with inflammation.

As described above, in those cases where no prediction was made because the p-value ratio exceeded the cutoff-value (generally 0.5) the non-call was considered to be incorrect.

Prediction results for 24 hour expression data using genes identified as predictive and the predicting unit of compound-dose are presented in Table 10. Referring now to Table 10, the "**" denotes that overall accuracy is defined as the proportion of the total number of predictions that are correct. Non-Calls are counted as incorrect predictions as defined in Materials and Methods. This prediction unit is probably the most relevant for toxicology prediction. The performance of the genes in predicting compound-dose

toxicity is even better than predictions on an individual animal basis. These data indicate a high accuracy in predicting liver inflammation. Mean accuracy exceeded 0.86 (86% accuracy) for the entire predictive gene list (Combo All) as well as Combo 5 and Combo 3, and was greater than 0.80 (80% accuracy) for Combo 2 and Combo 1. Variability in accuracy was low for most of the gene lists with >0.7 (70%) minimum accuracy for any single training and test set observed for the Combo All and Combo 5, 3, 2 and 1 gene lists.

One noteworthy feature of the predictive capability is the ability to distinguish between effects of a compound at different dose levels. Five compounds (ANIT, APAP, CCL4, LPS, and TET) produced liver necrosis or necrosis with inflammation at the high dose but not at the low dose. The predictive gene sets were usually accurate in predicting toxicity at the high dose and predicting no toxicity at the low dose.

Prediction results for 24 hour expression data using genes identified as predictive and the predicting unit is compound are presented in Table 11. Referring to Table 11, "**" denotes Overall Accuracy to be defined as the proportion of the total number of predictions that are correct. Non-Calls are counted as incorrect predictions as defined in Materials and Methods. Predictive performances on a compound basis were also good, with accuracies generally being at or above 0.8 (80%).

Table 12 and 13 show the level of predictive accuracy of individual genes of Combos 3 and 2, respectively, for 24 hour liver data. The tables show that overall, individual genes of the Combo groups did not perform as well as the combination as a whole, as the average predictive accuracy of individual genes versus the entire combo set was 64.6% vs. 84.9% for Combo 3, and 64.9% vs. 79.3% for Combo 2. The table also shows that while many of the individual genes of the Combo groups were predictive (e.g., accuracies as high as 77.5% for individual genes of Combo 3 and 85.9% for Combo 2), the predictive accuracy of individual genes rarely exceeded the predictive accuracy of the whole combination.

In order to assess the performance of subsets of genes, predictive performance

was evaluated for subsets of genes randomly selected from the total combined predictive list (Combo All) and the top Combo sets (as defined in Materials and Methods). Prediction results for 24 hour expression data using randomly selected subsets of genes are presented in Table 14. Referring to Table 14, "*" denotes the combo gene lists as in Table 5. For combo lists all genes were used or randomly selected subsets of genes in Table 6 and Table 7. Referring now to Table 6, the genes were randomly selected from the Combo All list of predictive genes (183 genes) assigning a random number to each gene, sorting by the random number and selecting the appropriate number of sorted genes. Referring now to Table 7, the genes were randomly selected from the combined Combo 5 3 2 list of predictive genes (52 genes) assigning a random number to each gene, sorting by the random number and selecting the appropriate number of sorted genes. Referring now to Table 14, All-Pred used genes randomly selected from genes that were present on the array but not in the predictive list. "** Overall Accuracy" is defined as the proportion of the total number of predictions that are correct. Non-calls are counted as incorrect predictions as defined in Materials and Methods. Accuracy was calculated for correct classifications of "negative," "positive-necrosis with inflammation," or "positivenecrosis." assigned to the samples and for randomized classifications in the same proportions as the correct classifications. Values presented are the mean accuracy values for 5 training/test sets with minimum and maximum accuracy values. These data clearly indicate that smaller subsets of the Combo gene lists have predictive power. Table 14 also compares prediction accuracy for correct classification of liver inflammation and for the same proportion of positive and negative toxicity calls randomly assigned to the samples (random classification). For each gene set or subset predictions were made using the same five training/test sets as for the other prediction analyses. Additionally, sets of genes were randomly chosen from the array which were not identified on the list of 183 predictive genes at 24 hour (Example 1, Table 5).

It is clear from these data that the predictions with accurate classification are much better than predictions with randomized classification. This means that the predictive

results are not simply due to chance and large data sets but are due to significant, meaningful predictive association between the gene expression of the predictive genes and the liver inflammation. The accuracy numbers for the gene sets selected from a list of all genes on the array minus the predictive genes are much lower than the Combo predictive lists and the random subsets of these predictive lists. This also verifies the predictive power of the identified predictive genes. The fact that the predictive numbers from these subsets are somewhat higher for accurate than random classification is likely due to some residual predictivity in these genes that is not very substantial.

Example 3

Compounds and treatments list used to construct the liver database are given in Table 1 of Example 1. This table also provides the evaluation of liver toxicity as observed as necrosis or necrosis with inflammation in samples collected 72 hours after treatment. The database is described in detail in Example 1. This Example analyzes expression data from samples collected 6 hours after treatment.

Array data, normalization and transformation procedures used were as described in Example 1.

Procedures and methods for obtaining gene lists correlating with histopathology scores were as described in Example 1.

The Predict Parameter Values tool in GeneSpring™ software used for liver inflammation class prediction is described in detail in Material and Methods of Example 1.

Data were each separated into 5 training and test sets by randomly distributing the compounds into the sets. This was accomplished by assigning random numbers to lists of compounds that are negative and positive for histopathology, sorting by random number, and then dividing the sorted lists into a specific number of training and test sets. The training and test set assignments are presented in the following

Table 15. Referring to Table 15, Low + defines low dose. High* defines high dose. Compounds* abbreviates for Compound, Dose, Abbreviation, etc, are defined in Table 1. **Negative are compounds that did not elicit histopathology (score=1). **Positive are compounds that did elicit histopathology (score of 2 or greater).

Liver inflammation classifications were entered for training and test sets as a parameter column. Toxicity, as defined by observation of liver necrosis or necrosis with inflammation at 72 hours after treatment, was entered as "negative", "positive-necrosis", or "positive-necrosis with inflammation" for each animal in a compound-dose group. Additionally, a parameter column for random histopathology classification was designated. This was done by randomly assigning the same number of "negative", "positive-necrosis", or "positive-necrosis with inflammation" calls to the individual animals.

The "Predict Parameter Value" tool of GeneSpring was used with each of the training and test sets to generate predictions of histopathology classifications of the test sets. The number of k nearest neighbors was optimized to give the highest predictive accuracy. This was done by first running predictions at different nearest neighbors for three of the training and test sets, and then evaluating the overall predictive performance for each number of nearest neighbors. A P-value ratio cutoff of 0.5 was used. The number of genes used to predict was varied with standard numbers of 50, 40, 30, 20, 10, 5, 2 and 1 genes used. For each number of genes the numbers of correct calls, incorrect calls and non-calls were recorded. Non-calls are cases where no prediction was made because the P-value ratio exceeded the specified P-value ratio cutoff. Calculations were made for overall percent correct calls (number of correct classifications/number or samples), percent correct calls of called samples (number of correct classifications/number of samples with calls) and percent of called samples (samples with calls/number of samples).

For each input list and optimal number of predictive genes (lowest number of genes giving a maximum overall percent of correct calls) additional information was

recorded that included the list of specific genes in the optimum predictive set.

Results: Expression array data were first examined for the existence of genes whose expression correlated with histopathology scores. Table 1 in Materials and Methods of Example 1 presents a list of the compounds and dose levels along with the liver histopathology classification and histopathology severity scores used for this analysis. For each distance measure the probability was adjusted in increments of 0.05 until at least 50 correlating genes were obtained. Lists of correlating genes were obtained using the distance measures described in Materials and Methods. Example sets of correlating genes are provided in Tables 16-17.

The correlating gene lists as well as the entire array gene list were provided as input lists to the GeneSpring Predict Parameter value tool (described in Materials and Methods) that employs a k nearest neighbor (knn) predictive model. These lists as well as the entire array gene list were used for each of the five training and test sets defined in Materials and Methods to generate predictions of histopathology classifications of the test sets. Input genes for the Predict Parameter Value feature included all 700 genes in the GenePix file (the Rat CT Array) as well as smaller lists of genes whose expressions correlated with histopathology by the correlation measures described previously. The number of genes used to predict are varied with standard numbers of 50, 40, 30, 20, 10, 5, 2 and 1 genes used. The specified number of predictive genes was varied to obtain an optimum number of predictive genes.

After this was done for all 5 training and test sets, all gene lists were then merged to create one aggregate list of predictive genes. Each gene on this aggregate list has predictive value for at least one of the training and test sets because it was observed to contribute to an optimum predictivity for a specific training/test set. The aggregate list was subdivided into smaller lists of genes based on the number of times a gene was predictive for an individual training or test set. For example, if 5 training and test sets were used, genes that were predictive in all 5 training and test sets were designated as Combo (combination) 5. Genes that were predictive in only 4 of 5

training and test sets were designated as Combo 4, etc.

A list of predictive genes organized by their occurrence in the separate training and test sets is presented in Table 18. Referring now to Table 18, the Combination (No. of Occurrences) category, refers to the number of training/test set gene list occurrences.

Example 4

Materials and Methods: The database used was as described in Example 1. This Example analyzes expression data from samples collected 6 hours after treatment

Array Data, Normalization and Transformation: Array data, normalization procedures and transformations used in these analyses are as described in Example 1. Table 28 lists 6 hour gene expression data for the predictive genes. These data can be used with a *k* nearest neighbor prediction model (as available in GeneSpring or other statistical software packages) to make predictions as described in this example

Class Prediction: The Predict Parameter Values tool in GeneSpring™ software was used for liver inflammation class prediction. A description of this tool and the statistical procedures used is provided in Example 1.

Training and Test Data Sets: The training and test data sets used are those described in Table 15 of Example 3.

Liver Toxicology Classification: Liver inflammation classifications used are described in Table 1 of Example 1. In this analysis randomized classifications (same number of "negative", "positive-necrosis", or "positive-necrosis with inflammation" classifications distributed randomly among the samples) were also used.

Prediction Output and Initial Data Processing: For each gene list prediction used for evaluation a table of data generated by the Predict Parameter Values tool in $GeneSpring^{TM}$ software was saved which provided for each sample in the test set the

actual call ("negative", "positive-necrosis with inflammation", or "positive-necrosis"), the predicted call ("negative", "positive-necrosis with inflammation", or "positive-necrosis") and the P-value cutoff ratio. This set of data was used to calculate predictive performance measures provided below.

Prediction Measures: Accuracy was calculated as described in Example 2.

Results: Prediction results for 6 hour expression data using genes identified as predictive are presented in Table 19 where comparison of predictive performance for correct and random classification is shown. Referring to Table 19, Gene List* is defined as Combo Gene Lists as in Table 18. ** Overall Accuracy = proportion of the total number of predictions that are correct. Non-calls are counted as incorrect predictions as defined in Materials and Methods. Accuracy was calculated for correct classifications of "negative", "positive-necrosis with inflammation", or "positive-necrosis" assigned to the samples and for randomized classifications in the same proportions as the correct classifications. Values presented are the mean accuracy values for 5 training/test sets with minimum and maximum accuracy values.

It is clear from these data that the predictions with accurate classification are much better than predictions with randomized classification. This means that the predictive results are not simply due to chance and large data sets but are due to significant, meaningful predictive association between the gene expression of the predictive genes and the liver inflammation.

Example 5

Materials and Methods: Database: Compounds and Liver inflammation: Compounds and treatments list used to construct the liver database are given in Table 1 of Example 1. This table also provides the evaluation of the liver inflammation observed in samples collected 72 hours after treatment. The database is described in detail in Example 1. This Example analyzes expression data from samples collected 72 hours after treatment.

Array data, normalization and transformation procedures used were as described in Example 1.

Procedures and methods for obtaining gene lists correlating with histopathology scores were as described in Example 1 with scores as in Example 1, Table 1.

The Predict Parameter Values tool in GeneSpring™ software used for liver inflammation class prediction is described in detail in Material and Methods of Example 1.

Training and Test Data Sets: Data were each separated into 5 training and test sets by randomly distributing the compounds into the sets. This was accomplished by assigning random numbers to lists of compounds that are negative and positive for histopathology, sorting by random number, and then dividing the sorted lists into a specific number of training and test sets. The training and test set assignments are presented in the Table 20.

Liver Toxicology Classification: Liver inflammation classifications were entered for training and test set as a parameter column. Toxicity, as defined by observation of liver necrosis or necrosis with inflammation at 72 hours after treatment, was entered as "negative", "positive-necrosis", or "positive-necrosis with inflammation" for each animal in a compound-dose group. Additionally, a parameter column for random histopathology classification was designated. This was done by randomly assigning the same number of "negative", "positive-necrosis", or "positive-necrosis with inflammation" calls to the individual animals.

Prediction Output and Initial Data Processing: The "Predict Parameter Value" tool of GeneSpring was used with each of the training and test sets to generate predictions of histopathology classifications of the test sets. The number of k nearest neighbors was optimized to give the highest predictive accuracy. This was done by first running predictions at different nearest neighbors for three of the training and test sets, and then evaluating the overall predictive performance for each number of nearest

neighbors. A P-value ratio cutoff of 0.5 was used. The number of genes used to predict was varied with standard numbers of 50, 40, 30, 20, 10, 5, 2 and 1 genes used. For each number of genes the numbers of correct calls, incorrect calls and non-calls were recorded. Non-calls are cases where no prediction was made because the P-value ratio exceeded the specified P-value ratio cutoff. Calculations were made for overall percent correct calls (number of correct classifications/number or samples), percent correct calls of called samples (number of correct classifications/number of samples with calls) and percent of called samples (samples with calls/number of samples).

For each input list and optimal number of predictive genes (lowest number of genes giving a maximum overall percent of correct calls) additional information was recorded that included the list of specific genes in the optimum predictive set.

Results: Expression array data were first examined for the existence of genes whose expression correlated with histopathology scores. Table 1 in Materials and Methods of Example 1 presents a list of the compounds and dose levels along with the liver histopathology classification and histopathology severity scores used for this analysis. For each distance measure the probability was adjusted in increments of 0.05 until at least 50 correlating genes were obtained. Lists of correlating genes were obtained using the distance measures described in Materials and Methods. Example sets of correlating genes are provided in Tables 21-22.

The correlating gene lists as well as the entire array gene list were provided as input lists to the GeneSpring Predict Parameter value tool (described in Materials and Methods) that employs a k nearest neighbor (knn) predictive model. These lists as well as the entire array gene list were used for each of the five training and test sets defined in Materials and Methods generate predictions of histopathology classifications of the test sets. Input genes for the Predict Parameter Value feature included all 700 genes in the GenePix file (the Rat CT Array) as well as smaller lists of genes whose expressions correlated with histopathology by the correlation measures described

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previously. The number of genes used to predict are varied with standard numbers of 50, 40, 30, 20, 10, 5, 2 and 1 genes used. The specified number of predictive genes was varied to obtain an optimum number of predictive genes.

After this was done for all 5 training and test sets, all gene lists were then merged to create one aggregate list of predictive genes. Each gene on this aggregate list has predictive value for at least one of the training and test sets because it was observed to contribute to an optimum predictivity for a specific training/test set. The aggregate list was subdivided into smaller lists of genes based on the number of times a gene was predictive for an individual training or test set. For example, if 5 training and test sets were used, genes that were predictive in all 5 training and test sets were designated as Combo (combination) 5. Genes that were predictive in only 4 of 5 training and test sets were designated as Combo 4, etc.

A list of predictive genes organized by their occurrence in the separate training and test sets is presented in Table 23. Referring to Table 23, Combination (No. of occurrences) is defined as the number of training/test set gene list occurrences.

Example 6 Predictive Properties and Evaluation of Predictive Genes for Liver inflammation from 72 Hour Expression Data: Materials and Methods: Database: The database used was as described in Example 1.

Array Data, Normalization and Transformation: Array data, normalization procedures and transformations used in these analyses are as described in Example 1. Table 30 presents 72 hour gene expression data for the predictive genes. These data can be used with a k nearest neighbor prediction model (as available in GeneSpring or other statistical software packages) to make predictions as described in this example.

Class Prediction: The Predict Parameter Values tool in GeneSpring™ software was used for liver inflammation class prediction. A description of this tool and the statistical procedures used is provided in Example 1.

Training and Test Data Sets: The training and test data sets used are those described in the table of Example 5.

Liver Toxicology Classification: Liver inflammation classifications used are described in Table 1 of Example 1. In this analysis randomized classifications (same number of "negative", "positive-necrosis with inflammation", or "positive-necrosis" classifications distributed randomly among the samples) were also used.

Prediction Output and Initial Data Processing: For each gene list prediction used for evaluation a table of data generated by the Predict Parameter Values tool in GeneSpring™ software was saved which provided for each sample in the test set the actual call ("negative", "positive-necrosis with inflammation", or "positive-necrosis"), the predicted call ("negative", "positive-necrosis with inflammation", or "positive-necrosis") and the P-value cutoff ratio. This set of data was used to calculate predictive performance measures provided below. Accuracy was calculated as described in Example 2.PResults: Prediction results for 72 hour expression data using genes identified as predictive are presented in Table 24 in which comparison of predictive performance for correct and random classification is shown. Referring to Table 24, the "Gene List*" is derived from Combo Gene Lists as in Table 23. The "**Overall Accuracy" is defined as the proportion of the total number of predictions that are correct. Non-calls are counted as incorrect predictions as defined in Materials and Methods. Accuracy was calculated for correct classifications of "negative", "positivenecrosis with inflammation", or "positive-necrosis" assigned to the samples and for randomized classifications in the same proportions as the correct classifications. Values presented are the mean accuracy values for 5 training/test sets with minimum and maximum accuracy values.

It is clear from these data that the predictions with accurate classification are much better than predictions with randomized classification. This means that the predictive results are not simply due to chance and large data sets but are due to significant, meaningful predictive association between the gene expression of the predictive

genes and the liver inflammation.

Example 7 Alternate Models for Predicting Liver Inflammation

Predictive Modeling: The predictive task with the liver inflammation gene expression data is a three-class classification problem, where the three classes of possible responses are defined as "positive-necrosis with inflammation", "positive-necrosis", or "no histopathology". This is an uneven class problem in that the class of negative responses is roughly 80 percent of the data or more in the database tested. A discrimination function can be used to classify a training set. This function can be cross-validated with a testing set, often repeatedly to quantify the mean and variation of the classification error. There are numerous common discrimination functions, and a comparative study of the performance of these functions is useful in determining the best classifier. Additional measures can then be used to compare the performance of the classifiers. Since the classes are of significantly uneven sizes, use a geometric mean measure (*GMM*) can be used to compare models, namely, the square root of the product of the true positives and the true negatives.

Common discrimination methods are Fisher's linear discriminant, quadratic discriminant (mahalanobis distance), *k*-nearest neighbors (*knn*), logistic discriminant (MacLachlan, "Discriminant Analysis and Statistical Pattern Recognition", Wiley Series in Probability and Mathematical Statistics, 1992), classification trees (or more generally known as recursive partitioning) (Breiman et al., "Classification and Regression Trees", Chapman & Hall, 1984; Clark and Pregibon in "Tree-Based Models" (J.M. Chambers and T.J. Hastie, eds.) Chp. 9, Chapman & Hall Computer Science Series, 1993; Quinlan and Kaufman, "C4.5: Programs for Machine Learning", 1988), and neural network classifiers (Ripley, "Pattern Recognition and Neural Networks", Cambridge University Press, 1996). Most are formula-based such as linear and quadratic discriminant, whereas others are rule-based, such as recursive partitioning, or algorithmically based, such as *knn. knn* is also database dependent in that a database containing training set is needed to perform nearest neighbor search

and classification.

Classifier Models: A variety of common classification techniques are available. A simple hybrid classifier could be designed and tested, using the *knn* results, to transform the *knn* model into a database independent model. This model is termed a centroid model. The centroid model uses the correctly identified test data results from *knn* and locates a centroid of the subset of *k* samples that are of the same class for each correctly identified test sample. The centroid is assigned the correct class, and with new test data, a sample is assigned the class of its nearest centroid.

In addition to the *knn* and centroid models described above, tree, centroid, logistic, and neural network models could also be employed. The neural network is a simple, feed-forward network, allowing skip layers, and with an entropy fitting criterion.

It is understood that the examples and embodiments described herein are for illustrative purposes only and that various modifications or changes in light thereof will be suggested to persons skilled in the art and are to be included within the spirit and purview of this application and scope of the appended claims. All publications, patents and patent applications cited herein are hereby incorporated by reference in their entirety for all purposes to the same extent as if each individual publication, patent or patent application were specifically and individually indicated to be so incorporated by reference.

		jounus, Dos	e Levels, Live	4					
Pa	Pathology and Abbreviations in the database								
				Inflamm.	Liver	Necr.			
Compound	Dose Level	Abbrev.*	Inflammation	Score**	Vecrosis	Score**			
1-naphthylisothiocyanate	15mgkg	ANIT 15	no	1	no	1			
1-naphthylisothiocyanate	60mgkg	ANIT 60	yes	2	yes	2			
5-fluorouracil	13 mg/kg	5-FU 13	no	1	no	1			
5-fluorouracil	50 mg/kg	5-FU 50	no	1	no	1			
acetaminophen	250 mg/kg	APAP 250	no	1	no	1			
acetaminophen	1000 mg/kg	APAP 1000	no	1	yes	2			
aflatoxin	1 mg/kg	AFLB 1	yes	4	yes	8			
amphotericin B	5 mg/kg	AMPB 5	no	1	no	1			
amphotericin B	20 mg/kg	AMPB 20	no	11	no	1			
azathioprine	50 mg/kg	AZA 50	no	1	no	1			
azathioprine	200 mg/kg	AZA 200	no	1	no_	1			
benzene	0.25 ml/kg	BEN 250	no	1	no	1			
benzene	1 ml/kg	BEN 1000	no	11	no	1			
benzo[a]pyrene	30 mg/kg	BAP 30	no	1	no	1			
bromobenzene	0.2 ml/kg	BRB 200	yes	2	yes	2			
bromobenzene	0.8 ml/kg	BRB 800	yes	3	yes	4			
busulfan	14 mg/kg	BUS 14	no	1	no	1			
cadmium chloride	1 mg/kg	CAD 1	no	11	no	1			
cadmium chloride	2 mg/kg	CAD 2	no	11	no	1			
cadmium chloride	4 mg/kg	CAD 4	yes	2	yes	3			
carbon tetrachloride	0.25 ml/kg	CCL4 250	no	1	yes	3			
carbon tetrachloride	1 ml/kg	CCL4 1000	yes	3	yes	6			
carmustine	16 mg/kg	CAR 16	no	1	no	1			
V W									
chloroform	0.25 ml/kg	CHCL3 250		1	no	1			
chloroform	0.5 ml/kg	CHCL3 500	no	11	no	1			
chlorpromazine	8 mg/kg	CHLOR 8	no	11	no	1			
chlorpromazine	30 mg/kg	CHLOR 30	no	1	no	1			
cisplatin	2.5 mg/kg	CIS 2.5	no	1	по	1			
cisplatin	10 mg/kg	CIS 10	no	1	no	1			

clofibrate	75 mg/kg	CLO 75	no	1	no	1
		7				T-
clofibrate	250 mg/kg	CLO 250	no	1	no	1
clozapine	45 mg/kg	CLOZ 45	no	1	no	1
	1]			
clozapine	180 mg/kg	CLOZ 180	no	1	no	1
carboxy methyl cellulose	30 mg/kg	CMC 30	no	1	no	1
	1		}			
cycloheximide	0.5 mg/kg	CHEX 0.5	no	1	no	1
cycloheximide	2 mg/kg	CHEX 2	no	11	no	1
cyclophosphamide	25 mg/kg	CPHOS 25	no	1	no	1
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cyclophosphamide	100 mg/kg	CPHOS 100	no	11	no	1
cyclosporin A	20 mg/kg	CYCA 20	no	11	no	1
cyclosporin A	80 mg/kg	CYCA 80	no	1	no	1
dexamethasone	8 mg/kg	DEX 8	no	11	no	11
dexamethasone	30 mg/kg	DEX 30	no	11	no	1
diflunisal	25 mg/kg	DIF 25	no	1	no	11
		1			1	
diflunisal	100 mg/kg	DIF 100	no	1	no	1
dimethylnitrosamine	20 mg/kg	DMN 20	yes	4	yes	9
doxorubicin	12 mg/kg	DOX 12	по	1	no	1
erythromycin estolate	40 mg/kg	ERY 40	no	1	no	1
					}	
erythromycin estolate	160 mg/kg	ERY 160	no	1	no	1
estradiol	0.1 mg/kg	EST 0.1	no	1	no	1
]]		ı		
estradiol	0.4 mg/kg	EST 0.4	no	1	no	1
ethanol	2.5 ml/kg	ETH 2500	no	1	no	1
gancyclovir	50 mg/kg	GAN 50	no	1	no	1
gancyclovir	200 mg/kg	GAN 200	no	1	no	1
gentamicin	38 mg/kg	GEN 38	no	11	no	1
			Ì			
gentamicin	150 mg/kg	GEN 150	no	1	no	1
			-		' I	
hydroxyurea	250 mg/kg	HYD 250	no	1	no	
					-	
hydroxyurea	1000 mg/kg	HYD 1000	no	1	no	_1
isoniazid	50 mg/kg	ISON 50	no	1	no	1

	1	[
isoniazid	200 mg/kg	ISON 200	no	1	no	1
ketoconazole	20 mg/kg	KETO 20	no	1	no	1
ketoconazole	80 mg/kg	KETO 80	no	1	no	1
lipopolysaccharide	2 mg/kg	LPS 2	no	1	no	_ 1
lipopolysaccharide	8 mg/kg	LPS 8	yes	2	yes	6
methotrexate	1.3 mg/kg	MET 1.3	no	1	no	_ 1
methotrexate	5 mg/kg	MET 5	no	1	no	1
naloxone	45 ml/kg	NAL 45	no	1	no	1
naloxone	180 mg/kg	NAL 180	no	1	no	1
phenobarbital	20 mg/kg	PBARB 20	no	1	no	1
phenobarbital	80 mg/kg	PBARB 80	no	1	no	1
phenylhydrazine	20 mg/kg	PHEN 20	no	1	no	1
phenylhydrazine	80 mg/kg	PHEN 80	no	1	no	1
polyethylene glycol	5 ml/kg	PEG 5000	no	1	no	1
puromycin	38 mg/kg	PUR 38	no	1	no	1
puromycin	150 mg/kg	PUR 150	no	1	no	1
quinidine	25 mg/kg	QUIN 25	no	1	no	1
						ļ
quinidine	100 mg/kg	QUIN 100	no	1	no	1
streptozotocin	20 mg/kg	STRZ 20	no	1	no	1
streptozotocin	75 mg/kg	STRZ 75	no	1	no	1
tamoxifen	50 mg/kg	TAM 50	no	11	no	1
tamoxifen	200 mg/kg	TAM 200	no	11	no	1
tetracycline	50 mg/kg	TET 50	no	1	no	1
tetracycline	150 mg/kg	TET 150	no	1	yes	2
theophylline	25 mg/kg	THEO 25	no	1	no	1
theophylline	100 mg/kg	THEO 100	no	11	no	1

Table 2 Distribution of Compounds* in Individual Training and Test Sets for 24h Liver Inflammation Data

Training Set 1 Negative**	1 Positive**- Necrosis	Positive**- Necrosis with Inflammation	Test Set 1 Negative**	Positive**- Necrosis	Test Set 1 Positive**- Necrosis with Inflammation
BAP-Low [†]	APAP-High ⁺	BRB-Low [†]	ISON-Low [†]	TET-High*	BRB-High ⁺
KETO-Low	CCL4-Low	CCL4-High	TAM-Low	<u> </u>	LPS-High
DOX-Low		ANIT-High	CYCA-Low		
STRZ-High		DMN-High	DIF-Low		<u> </u>
ERY-High			CHEX-High		
PEG-Low			CMC-Low		
PUR-High			HYD-Low		
CHLOR-High			ANIT-Low		
HYD-High			CHEX-Low		
GEN-High			APAP-Low		
BEN-High			CHCL3-High		
ETH-Low			DIF-High		
DOX-High			PHEN-High		
PBARB-High			GAN-Low		
BUS-Low			CYCA-High		
5-FU-Hi			TAM-High		
MET-Low			DEX-High		
EST-High			CIS-High		
PHEN-Low			PUR-Low		
THEO-Low	"		AMPB-Low		
QUIN-Low			CLO-High		
GEN-Low			EST-Low		
CIS-Low			CLOZ-Low		
CLO-Low			CAD-Low		
BUS-High			CHLOR-Low		
CAR-Low					
LPS-Low					
CPHOS-High					
THEO-High					
NAL-High					
DEX-Low					
NAL-Low					
AMPB-Hi					

		. 1		1	
5-FU-Low					
CAD-High					
ISON-High					
STRZ-Low					
CLOZ-High					
TET-Low					
KETO-High				<u> </u>	
PBARB-Low					
CHCL3-Low			<u> </u>		
BAP-High					
CPHOS-Low					
MET-High					
QUIN-High					
CAR-High					
ERY-Low					
GAN-High					
BEN-Low	 				

Training Set 2 Negative	2 Positive- Necrosis	Training Set 2 Positive- Necrosis with Inflammation	Test Set 2 Negative	Test Set 2 Positive- Necrosis	Test Set 2 Positive- Necrosis with Inflammation
PHEN-Low	APAP-High	DMN-High	PUR-High	CCL4-Low	CCL4-High
ISON-High	TET-High	BRB-High	KETO-Low	<u> </u>	ANIT-High
PHEN-High		BRB-Low	CLOZ-Low	ļ	
BEN-Low		LPS-High	ERY-High	ļ	
CYCA-Low			CAR-High		
KETO-High			CAD-High	 	
CLOZ-High			PBARB-High		
PBARB-Low			5-FU-Low	- 	
CMC-Low			CAR-Low		
CHLOR-Low			DEX-Low_		
NAL-Low			STRZ-Low	 	
EST-High		<u> </u>	CLO-Low	 	
CHCL3-Low			ANIT-Low		
DOX-High			THEO-Low		
5-FU-Hi			BAP-High	- 	
CPHOS-Low			CYCA-High		_
DEX-High			MET-Low	- 	
DIF-High			THEO-High		
ERY-Low			ISON-Low		

APAP-Low MET-High CIS-Low CHEX-Low CLO-High LPS-Low BUS-High GEN-Low BUS-Low CHCL3-High DOX-Low GEN-High DIF-Low CAD-Low STRZ-High HYD-Low BAP-Low CIS-High ETH-Low BEN-High QUIN-High PUR-Low HYD-High HYD-High	,
CLO-High	,
CLO-High LPS-Low BUS-High GEN-Low BUS-Low CHCL3-High DOX-Low GEN-High DIF-Low CAD-Low STRZ-High HYD-Low BAP-Low CIS-High ETH-Low BEN-High QUIN-High PUR-Low	
BUS-High GEN-Low BUS-Low CHCL3-High DOX-Low GEN-High DIF-Low CAD-Low STRZ-High HYD-Low BAP-Low CIS-High ETH-Low BEN-High QUIN-High PUR-Low	1
BUS-Low CHCL3-High DOX-Low GEN-High DIF-Low CAD-Low STRZ-High HYD-Low BAP-Low CIS-High ETH-Low BEN-High QUIN-High PUR-Low	
DIF-Low CAD-Low STRZ-High HYD-Low BAP-Low CIS-High ETH-Low BEN-High QUIN-High PUR-Low	
DIF-Low CAD-Low STRZ-High HYD-Low BAP-Low CIS-High ETH-Low BEN-High QUIN-High PUR-Low	
STRZ-High HYD-Low BAP-Low CIS-High ETH-Low BEN-High QUIN-High PUR-Low	
HYD-Low BAP-Low CIS-High ETH-Low BEN-High QUIN-High PUR-Low	
HYD-Low BAP-Low CIS-High ETH-Low BEN-High QUIN-High PUR-Low	
CIS-High ETH-Low BEN-High QUIN-High PUR-Low	
ETH-Low BEN-High QUIN-High PUR-Low	
BEN-High QUIN-High PUR-Low	
QUIN-High PUR-Low	
QUIN-High PUR-Low	
PUR-Low	
HYD-High	
EST-Low	
AMPB-Low	
GAN-Low	
NAL-High	
CHEX-High	
CHLOR-High	
GAN-High	
CPHOS-High	
TAM-Low	
TET-Low	
TAM-High	
AMPB-Hi	·
QUIN-Low	
PEG-Low PEG-Low	

Training Set 3 Negative	Training Set 3 Positive- Necrosis	Training Set 3 Positive- Necrosis with Inflammation	Test Set 3 Negative	Test Set 3 Positive- Necrosis	Test Set 3 Positive- Necrosis with Inflammation
ERY-High	TET-High	BRB-Low	PUR-High	APAP-High	BRB-High
EST-High	CCL4-Low	CCL4-High	CPHOS-Low		LPS-High
ISON-Low		ANIT-High	BEN-High		
ANIT-Low		LPS-High	HYD-High		

CLO-Low		CMC-Low		}
CLOZ-Low		CLO-High		
DIF-Low		GAN-Low		
CAR-Low		DOX-High		
LPS-Low		CHEX-Low		
CIS-High		THEO-Low		
TAM-High		AMPB-Hi		
CYCA-High		DOX-Low		
MET-Low		CHEX-High		
NAL-Low		GEN-High		
CPHOS-High		DEX-Low		
CAR-High		BUS-High		
HYD-Low		PUR-Low		
		PBARB-Low		
APAP-Low		5-FU-Low	 	
GEN-Low				
AMPB-Low		QUIN-Low		
PHEN-Low	<u> </u>	STRZ-Low		
BAP-High	L	ISON-High		
EST-Low		ETH-Low		
CHCL3-High		STRZ-High		
CAD-High		DEX-High		
PHEN-High				
TET-Low				
CLOZ-High				
BEN-Low				
CHLOR-High				
TAM-Low				
DIF-High				
BUS-Low				
KETO-High				
5-FU-Hi				
MET-High				
ERY-Low				
QUIN-High				
BAP-Low	<u> </u>		[
KETO-Low				
THEO-High				
PBARB-High				
CYCA-Low				
NAL-High				
CIS-Low				
PEG-Low				
CHLOR-Low_				
GAN-High				
CHCL3-Low				
CAD-Low			<u> </u>	<u> </u>

Training Set 4	Training Set	Training Set 4	Test Set 4	Test Set 4	Test Set 4
Negative		Positive-	Negative	Positive-	Positive-
i logalit lo	Necrosis	Necrosis with	[Necrosis	Necrosis with
	10010010	Inflammation	ł	[Inflammation
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	ĺ		}		
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}				,	
CHEX-Low	APAP-High	LPS-High	AMPB-Low	TET-High	BRB-High
5-FU-Low	TET-High	DMN-High	PHEN-Low		LPS-High
BEN-High	1	ANIT-High	DIF-Low		
QUIN-Low		BRB-Low	APAP-Low		
ERY-Low			CAD-High		
ETH-Low			GAN-Low		
CYCA-High			HYD-High		
KETO-High			TAM-High		
GEN-Low			DOX-Low		
BAP-High			GEN-High	1	
PEG-Low			PHEN-High		
BAP-Low			TET-Low		
CMC-Low			MET-High	<u> </u>	
BUS-High			CHEX-High	[
BUS-Low			DOX-High		
THEO-High		1	STRZ-High		
CYCA-Low			PBARB-High		
DEX-High			CLO-High		
QUIN-High			KETO-Low		
ERY-High			BEN-Low		
DEX-Low			5-FU-Hi		
EST-High			ISON-Low		
CAR-High			CAD-Low		
CHLOR-Low			CIS-Low		
MET-Low			PUR-High		
CHLOR-High					
CAR-Low					
AMPB-Hi					
CPHOS-High					
CLO-Low					
NAL-Low					
HYD-Low					
ANIT-Low					
ISON-High					
EST-Low					
CIQ.Llinh	T				

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CHCL3-High				
NAL-High				
GAN-High				
CLOZ-High				
LPS-Low				
CLOZ-Low				
THEO-Low		_		
CPHOS-Low				
PUR-Low			ļ	
TAM-Low			<u> </u>	
DIF-High				
PBARB-Low			ļ	
CHCL3-Low		 	 	
STRZ-Low			<u> </u>	

Training Set 5 Negative	5 Positive- Necrosis	Training Set 5 Positive- Necrosis with Inflammation	Test Set 5 Negative	Test Set 5 Positive- Necrosis	Test Set 5 Positive- Necrosis with Inflammation
KETO-High	APAP-High	CCL4-High	ISON-Low	TET-High	LPS-High
5-FU-Hi	CCL4-Low	BRB-High	MET-Low		BRB-Low
CIS-Low		ANIT-High	CHCL3-High		
NAL-Low		DMN-High	PHEN-High		ļ
GAN-High			TAM-Low		
CPHOS-High			GEN-Low		
CHCL3-Low	-		CLO-Low		
CHEX-Low			MET-High	<u> </u>	
PUR-Low			QUIN-Low		
AMPB-Hi			STRZ-High		
PEG-Low			KETO-Low		
TET-Low			DEX-High		
CYCA-Low			CAD-Low		
DOX-Low			BUS-Low_		
ETH-Low			EST-Low		
HYD-Low			BEN-Low		
STRZ-Low			CAD-High		
EST-High			CAR-High		
CHLOR-High			CIS-High	- 	
5-FU-Low			CHLOR-Low		

LPS-Low	APAP-Low	L	}
THEO-Low	DIF-High		
NAL-High	CLOZ-Low		
DOX-High	PBARB-High		
PBARB-Low	CPHOS-Low		
DIF-Low			
ERY-High			
QUIN-High			.'
ERY-Low			
CMC-Low			
ISON-High			
CLOZ-High			
BEN-High			
CHEX-High			
PHEN-Low		L	
ANIT-Low			
CLO-High		<u> </u>	
THEO-High		<u> </u>	
PUR-High			
BAP-Low			
CAR-Low			
DEX-Low			
GEN-High			
BAP-High			
HYD-High		<u></u>	
BUS-High			
GAN-Low			
AMPB-Low			
CYCA-High			
TAM-High			

Table 3 List of Genes, Whose Expression at 24h Directly Correlates with Liver Inflammation at 72h, Ranked by Pearson Correlation Coefficient

Gene	Correlation Coefficient
Phase-1 RCT-207	0.598
Zinc finger protein	0.592
Gadd45	0.578
Gamma-actin, cytoplasmic	0.566
Heme oxygenase	0.558
Phase-1 RCT-50	0.549
Phase-1 RCT-144	0.547
Phase-1 RCT-179	0.546
Macrophage inflammatory protein-2 alpha	0.545
Superoxide dismutase Mn	0.533
Multidrug resistant protein-2	0.527
Phase-1 RCT-225	0.524
14-3-3 zeta	0.518
Cyclin G	0.507
Cofilin	0.502
Gadd153	0.501
Phase-1 RCT-242	0.492
	0.490
c-jun	0.488
Cathepsin L, sequence 2 Phase-1 RCT-68	0.479
	0.469
Phase-1 RCT-39	0.464
D-1	0.463
Calpactin I heavy chain	0.453
PAR interacting protein	0.446
Endogenous retroviral sequence, 5' and 3' LTR	0.441
IkB-a	0.440
Phase-1 RCT-59	0.438
Phase-1 RCT-158	0.436
Phase-1 RCT-109	0.431
Multidrug resistant protein-1	0.430
Phase-1 RCT-205	0.429
Phase-1 RCT-49	0.425
Phase-1 RCT-145	0.425
Phase-1 RCT-213	0.419
Phase-1 RCT-72	0.415
60S ribosomal protein L6	0.413
Voltage-dependent anion channel 2 (Vdac2)	0.411
Phase-1 RCT-152	0.407
60S ribosomal protein L6 (alternate clone 1)	
c-myc	0.406
Ribosomal protein L13A	0.406
IgE binding protein	0.406
Malanama-associated antigen ME491	0.405

Beta-actin	0.403
c-H-ras	0.399
Phase-1 RCT-154	0.399
Phase-1 RCT-122	0.398
Integrin beta1	0.397
Ornithine decarboxylase	0.395
Beta-tubulin, class I	0.395
Phase-1 RCT-241	0.395
Retinoid X receptor alpha	0.394
Bax (alpha)	0.394
Caspase 3	0.388
Insulin-like growth factor binding protein 1	0.385
Nucleoside diphosphate kinase beta isoform	0.385
Phase-1 RCT-60	0.384
Phase-1 RCT-196	0.382
Phase-1 RCT-192	0.380
Organic cation transporter 3	0.379
Thymosin beta-10	0.379
Osteoactivin	0.379
Phase-1 RCT-12	0.375
Phase-1 RCT-65	0.363
Wafl	0.360
Alpha-tubulin	0.360
Phase-1 RCT-215	0.359
Carbonyl reductase	0.359
p53	0.356
Phase-1 RCT-71	0.355
Phase-1 RCT-191	0.353
Beta-actin, sequence 2	0.352
Uncoupling protein 2	0.350

Table 4 List of Genes, Whose Expression at 24h Inversely Correlates with Liver Inflammation at 72h, Ranked by Spearman Correlation Coefficient

	Correlation
Gene	Coefficient
Matrin F/G	-0.425
Phase-1 RCT-36	-0.415
Phase-1 RCT-78	-0.403
Phase-1 RCT-33	-0.403
Phase-1 RCT-38	-0.402
	-0.399
Hepatic lipase Phase-1 RCT-214	-0.397
	-0.394
Carbonic anhydrase III Phase-1 RCT-288	-0.393
L-gulono-gamma-lactone oxidase	-0.393
	-0.392
Phase-1 RCT-92	-0.391
Phase-1 RCT-256 Sodium/bile acid cotransporter	-0.382
	-0.380
Alpha 1 - Inhibitor III	-0.380
Phase-1 RCT-89	-0.379
Liver fatty acid binding protein	-0.376
Phase-1 RCT-296	-0.376
Organic anion transporter 3	-0.375
Phase-1 RCT-291	-0.375
Dynamin-1 (D100)	-0.373
Presenilin-1	-0.370
Aldehyde dehydrogenase, microsomal	-0.365
Phase-1 RCT-102	-0.364
Equilbrative nitrobenzylthioinosine-sensitive nucleoside transporter	-0.363
Phase-1 RCT-52	-0.362
Phase-1 RCT-168	-0.362
Sterol carrier protein 2	-0.359
N-hydroxy-2-acetylaminofluorene sulfotransferase (ST1C1)	-0.359
Phase-1 RCT-218	-0.357
Senescence marker protein-30	-0.352
Phase-1 RCT-40	-0.352
Paraoxonase 1	-0.352
Tryptophan hydroxylase	-0.348
Phase-1 RCT-123	-0.347
Phase-1 RCT-83	-0.347
Transthyretin	-0.347
Phase-1 RCT-219	-0.341
Phase-1 RCT-88	
Phase-1 RCT-289	-0.341 -0.341
Apolipoprotein CIII	-0.341
Phase-1 RCT 165	
Phase-1 RCT-128	-0.336

Phase-1 RCT-264	-0.335
Phase-1 RCT-64	-0.335
Phase-1 RCT-233	-0.334
Phase-1 RCT-181	-0.333
Aquaporin-3 (AQP3)	-0.332
Phase-1 RCT-175	-0.331
Cytochrome P450 2C23	-0.330
Urinary protein 2 precursor	-0.327
3-hydroxyisobutyrate dehydrogenase	-0.327
Phase-1 RCT-117	-0.326
Glutathione peroxidase	-0.324
Phase-1 RCT-182	-0.324
Fatty acid synthase	-0.322
Phase-1 RCT-271	-0.321
Phase-1 RCT-10	-0.321
Phase-1 RCT-209	-0.320
Phase-1 RCT-67	-0.320
HMG-CoA synthase, mitochondrial	-0.316
Phase-1 RCT-137	-0.315
Stearyl-CoA desaturase, liver	-0.314
Apoptosis-regulating basic protein	-0.312
Phase-1 RCT-185	-0.312
Phase-1 RCT-98	-0.312
Phase-1 RCT-90 Phase-1 RCT-239	-0.312
Carbonic anhydrase III, sequence 2	-0.308
Phase-1 RCT-189	-0.308
	-0.308
Phase-1 RCT-270	-0.308
NADH-cytochrome b5 reductase	-0.301
Sulfotransferase K2	-0,301

Table 5 Predictive Genes for 24 Hour Expression Data

Comp Norman	Combination
Gene Name	Category*
Gamma-actin, cytoplasmic	5
60S ribosomal protein L6 (alternate clone 1)	3
60S ribosomal protein L6	3
Beta-tubulin, class I	33_
c-jun	3
Gadd45	3
ID-1	3
lkB-a	3
Integrin beta1	3
Macrophage inflammatory protein-2 alpha	3
MAP kinase kinase	3
Multidrug resistant protein-2	3
Organic cation transporter 3	3
Phase-1 RCT-144	3
Phase-1 RCT-145	3
Phase-1 RCT-179	3
Phase-1 RCT-192	3
Phase-1 RCT-207	3
Phase-1 RCT-225	3
Phase-1 RCT-242	3
Phase-1 RCT-49	3
Phase-1 RCT-50	3
Phase-1 RCT-92	3
Zinc finger protein	3
14-3-3 zeta	2
Alpha-tubulin	2
Beta-actin	2
Cathepsin L, sequence 2	2
c-myc	2
Cytochrome P450 11A1	2
Gadd153	2
lgE binding protein	2
L-gulono-gamma-lactone oxidase	2
Matrin F/G	2
MHC class I antigen RT1.A1(f) alpha-chain	2 .
Nucleoside diphosphate kinase beta Isoform	2
Ornithine decarboxylase	2
PAR interacting protein	2
Phase-1 RCT-181	2
Phase-1 RCT-185	2
Phase-1 RCT-205	2
Phase-1 RCT-213	2
Phase-1 RCT-233	2

Phase-1 RCT-258	. 2
Phase-1 RCT-288	2
Phase-1 RCT-33	2
Phase-1 RCT-36	2
Phase-1 RCT-39	2
Phase-1 RCT-60	2
Phase-1 RCT-64	2
Phase-1 RCT-65	2
Phase-1 RCT-78	2
Phase-1 RCT-98	1
Aldehyde dehydrogenase, microsomal	1
Alpha 1 - inhibitor III	1
Alpha-2-microglobulin	1
Apolipoprotein All	1 1
Apolipoprotein CIII	1
Aquaporin-3 (AQP3)	1 1
Argininosuccinate lyase	1
Aspartate aminotransferase, mitochondrial	1
	1
Urinary protein 2 precursor ATP-stimulated glucocorticoid-receptor translocation promoter (Gyk)	1
	1
Bax (alpha)	1
Beta-actin, sequence 2	1
Beta-alanine synthase	1
Carbonic anhydrase III	1
Carbonic anhydrase III, sequence 2	1
Carbonyl reductase	
Carnitine palmitoyl-CoA transferase	1 1
Casein-alpha	1
Caspase 3	1
CDK102	11
c-H-ras	1
Cofilin	1
Cyclin D1	1
Cyclin G	11
Cytochrome P450 2C23	1
Dynamin-1 (D100)	1
Elongation factor-1 alpha	11
Endogenous retroviral sequence, 5' and 3' LTR	1 1
Endothelin-1	1
Equilbrative nitrobenzylthloinosine-sensitive nucleoside transporter	1
Fas antigen	11
Glutathione peroxidase	11
Heme oxygenase	1 1
Hepatic lipase	1 1
Hepatocyte growth factor receptor	1
HMG-CoA synthase, mitochondrial	1
Insulin-like growth factor binding protein 1	1 1

Interleukin-10	1
Liver fatty acid binding protein	1
Malic enzyme	1
Melanoma-associated antigen ME491	1
Multidrug resistant protein-1	1
MutL homologue (MLH1)	1
NADH-cytochrome b5 reductase	1
NADP-dependent isocitrate dehydrogenase, cytosolic	1
N-hydroxy-2-acetylaminofluorene sulfotransferase (ST1C1)	1
Octamer binding protein 1	1
Organic anion transporter 3	1
p53	1
Paraoxonase 1	1
Phase-1 RCT-10	1
Phase-1 RCT-102	1
Phase-1 RCT-109	1
Phase-1 RCT-111	1
Phase-1 RCT-113	1
Phase-1 RCT-115	1
Phase-1 RCT-117	1
Phase-1 RCT-12	1
Phase-1 RCT-123	1
Phase-1 RCT-128	1
Apoptosis-regulating basic protein	1
Phase-1 RCT-137	1
Phase-1 RCT-140	1
Phase-1 RCT-141	1
Phase-1 RCT-152	1
Phase-1 RCT-154	1
Phase-1 RCT-158	1
Phase-1 RCT-168	1
Phase-1 RCT-174	1
Phase-1 RCT-175	1
Phase-1 RCT-180	1
Phase-1 RCT-182	1
Phase-1 RCT-189	1
Phase-1 RCT-191	1
Phase-1 RCT-196	1
Vacuole membrane protein 1	1
Phase-1 RCT-209	1
Phase-1 RCT-211	1
Phase-1 RCT-212	1
Phase-1 RCT-214	1
Phase-1 RCT-215	
Phase-1 RCT-218	1
Phase-1 RCT-219	1
Phase-1 RCT-239	1
F11856-1 TO1-235	<u> </u>

Phase-1 RCT-24	1
Phase-1 RCT-241	11
Phase-1 RCT-256	11
Phase-1 RCT-264	11
Phase-1 RCT-27	1
Phase-1 RCT-270	1
Phase-1 RCT-271	1
Phase-1 RCT-281	1
Phase-1 RCT-282	11
Phase-1 RCT-287	11
Phase-1 RCT-289	11
Phase-1 RCT-291	11
Voltage-dependent anion channel 2 (Vdac2)	11
Phase-1 RCT-296	11
Phase-1 RCT-30	11
Phase-1 RCT-37	1
Phase-1 RCT-38	1
Phase-1 RCT-40	1
Phase-1 RCT-48	1
Phase-1 RCT-52	1
Phase-1 RCT-67	1
Phase-1 RCT-68	1
Phase-1 RCT-72	1
Phase-1 RCT-76	1
Phase-1 RCT-77	1
Phase-1 RCT-79	1
Phase-1 RCT-8	1
Phase-1 RCT-88	1
Phase-1 RCT-89	1
Preproalbumin, sequence 2	1
Presenilin-1	1
Pyruvate kinase, muscle	1
Retinol-binding protein (RBP)	1
Ribosomal protein L13A	1
Ribosomal protein S9	1
Senescence marker protein-30	1
Sodium/bile acid cotransporter	1
Sodium/glucose cotransporter 1	1
Sorbitol dehydrogenase	1
Stearyl-CoA desaturase, liver	1
Sterol carrier protein 2	1
Sulfotransferase K2	1
Superoxide dismutase Mn	1
Thymosin beta-10	1
Transthyretin	
Tryptophan hydroxylase	1
The state of the s	

Table 6 Randomly Selected Gene Subsets from 24 H Combo All (183 Genes)*

Rand 5 (1)	Rand 5 (2)
Aquaporin-3 (AQP3)	Apolipoprotein CIII
Phase-1 RCT-115	Cofilin
Phase-1 RCT-209	Voltage-dependent anion channel 2 (Vdac2)
Pyruvate kinase, muscle	Phase-1 RCT-271
Transthyretin	Phase-1 RCT-196

Rand 10 (1)	Rand 10 (2)
Aspartate aminotransferase, mitochondrial	PAR interacting protein
Casein-alpha	Phase-1 RCT-38
Fas antigen	Integrin beta1
Gadd45	Phase-1 RCT-141
Gamma-actin, cytoplasmic	Phase-1 RCT-50
Integrin beta1	Liver fatty acid binding protein
Macrophage inflammatory protein-2 alpha	Beta-actin, sequence 2
Phase-1 RCT-145	60S ribosomal protein L6
Phase-1 RCT-207	Phase-1 RCT-211
Phase-1 RCT-78	Ribosomal protein L13A

Rand 15 (1)	Rand 15 (2)
60S ribosomal protein L6 (alternate clone 1)	Phase-1 RCT-52
Argininosuccinate lyase	HMG-CoA synthase, mitochondrial
Cytochrome P450 11A1	Retinol-binding protein (RBP)
Dynamin-1 (D100)	Sodium/bile acid cotransporter
Endogenous retroviral sequence, 5' and 3' LTR	Beta-alanine synthase
Integrin beta1	Ornithine decarboxylase
Paraoxonase 1	Insulin-like growth factor binding protein 1
Apoptosis-regulating basic protein	Phase-1 RCT-109
Phase-1 RCT-181	Octamer binding protein 1
Phase-1 RCT-264	Phase-1 RCT-145
Voltage-dependent anion channel 2 (Vdac2)	NADP-dependent isocitrate dehydrogenase, cytosolic
Phase-1 RCT-33	Phase-1 RCT-39
Phase-1 RCT-36	Matrin F/G
Phase-1 RCT-52	Phase-1 RCT-289
Thymosin beta-10	Organic anion transporter 3

Table 7 Randomly Selected Gene Subsets from 24 H Combo 5 3 2 Gene Set (52 Genes)*

Rand 5 (1)	Rand 5 (2)
Phase-1 RCT-207	Phase-1 RCT-233
60S ribosomal protein L6 (alternate clone 1)	Integrin beta1
Cathepsin L	Phase-1 RCT-50
Phase-1 RCT-145	Phase-1 RCT-145
Phase-1 RCT-65	Phase-1 RCT-225

Rand 10 (1)	Rand 10 (2)
MHC class I antigen RT1.A1(f) alpha-chain	Phase-1 RCT-65
Beta-actin	Gadd153
Beta-tubulin, class I	Phase-1 RCT-36
Cathepsin L	Phase-1 RCT-60
c-jún	Phase-1 RCT-181
Matrin F/G	60S ribosomal protein L6
Phase-1 RCT-225	Phase-1 RCT-144
Phase-1 RCT-288	Phase-1 RCT-192
Phase-1 RCT-36	Zinc finger protein
Phase-1 RCT-50	Phase-1 RCT-205

Rand 15 (1)	Rand 15 (2)
Phase-1 RCT-242	60S ribosomal protein L6 (alternate clone 1)
lkB-a	14-3-3 zeta
MAP kinase kinase	60S ribosomal protein L6
Matrin F/G	Alpha-tubulin
Multidrug resistant protein-2	Beta-actin
Nucleoside diphosphate kinase beta isoform	Beta-tubulin, class I
Organic cation transporter 3	Cathepsin L
PAR interacting protein	c-jun
Phase-1 RCT-179	c-myc
Phase-1 RCT-288	Cytochrome P450 11A1
Phase-1 RCT-33	Gadd153
Phase-1 RCT-36	Gadd45
Phase-1 RCT-39	Gamma-actin, cytoplasmic
Phase-1 RCT-64	ID-1



,	
Phase-1 RCT-92	lgE binding protein

Table 8 Randomly Selected Gene Subsets from Array Genes Excluding Combo All Set*

Rand 5 (1)	Rand 5 (2)				
Heme binding protein 23	Phase-1 RCT-147				
alpha-1,2-fucosyltransferase	NADPH cytochrome P450 reductase				
Metallothionein 1	Phase-1 RCT-236				
Phase-1 RCT-83	CXCR4				
Pim1 proto-oncogene	TGF-beta receptor type II				

Rand 10 (1)	Rand 10 (2)			
Protein kinase C beta1	Phase-1 RCT-176			
Phase-1 RCT-14	p55CDC			
Retinoid X receptor alpha	Connexin-32			
Phase-1 RCT-221	Aryl sulfotransferase			
Cytochrome P450 2C11	Diacylglycerol kinase zeta			
Phase-1 RCT-173	Phase-1 RCT-59			
Inter-alpha-inhibitor H4 heavy chain (Itih4)	Phase-1 RCT-293			
Major acute phase protein alpha-1	Thioredoxin-2 (Trx2)			
ADP-ribosylation factor-like protein ARL184	Diazepam binding inhibitor			
Cellular retinoic acid binding protein 2	Phase-1 RCT-47			

Rand 15 (1)	Rand 15 (2)			
Phase-1 RCT-42	Neurofibromin (NF1 tumor suppressor)			
Tissue factor pathway inhibitor	Interleukin-1 beta			
C-reactive protein	Glutathione S-transferase alpha subunit			
Caspase 2	Protein O-mannosyltransferase 1 (Pomt1) Phase-1 RCT-32			
Cyclin D3				
Dopamine transporter	Monoamine oxidase A			
DNA topoisomerase I	25-hydroxyvitamin D3-1 alpha- hydroxylase			
Multidrug resistant protein-3	Acyl-CoA dehydrogenase, medium chain			
Defender against cell death-1	Macrophage inflammatory protein-1 alpha			

CXCR4	Phase-1 RCT-133
Cytochrome c oxidase subunit II	Na/K ATPase alpha-1
Low density lipoprotein receptor	Vesicular monoamine transporter (VMAT)
Farnesol receptor	Phase-1 RCT-176
H-rev107	Alpha-fetoprotein
8-oxoguanine DNA glycosylase	Phase-1 RCT-177

Table 9 Liver Inflammation Individual Sample Prediction Values for 24 Hour Data Predictive Genes (Combined List and Subsets)

Gene	Prediction Measure*								
Set (#)	Overall Accuracy**	FP _i **	FN _i **	GΜŃι**	GMM _N **				
Combo All (183)	0.860 (0.785 - 0.933)	0.092 (0.014 - 0.123)	0.167 (0.000 - 0.500)	0.862 (0.671 - 0.993)	0.891 (0.791 - 0.939)				
Combo 5 (1)	0.845 (0.779 - 0.904)	0.120 (0.075 - 0.169)	0.100 (0.000 - 0.167)	0.890 (0.832 - 0.962)	0.845 (0.777 - 0.905)				
Combo 3 (23)	0.849 (0.831 - 0.880)	0.098 (0.029 - 0.152)	0.167 (0.000 - 0.333)	0.861 (0.765 - 0.954)	0.823 (0.555 - 0.919)				
Combo 2 (28)	0.793 (0.747 - 0.827)	0.171 (0.116 - 0.212)	0.300 (0.000 - 0.500)	0.753 (0.636 - 0.888)	0.857 (0.759 - 0.893)				
Combo 1 (131)	0.804 (0.709 - 0.907)	0.156 (0.043 - 0.205)	0.200 (0.000 - 0.500)	0.817 (0.645 - 0.978)	0.860 (0.729 - 0.945)				

Table 10 Liver Inflammation Compound-Dose Prediction Values for 24 Hour Data Predictive Genes (Combined List and Subsets)

Gene Set	Number of Genes	Overall Accuracy**
Combo All	183	0.869 (0.741 - 0.962)
Combo 5	1	0.892 (0.846 - 0.958)
Combo 3	23	0.860 (0.833 - 0.885)
Combo 2	28	0.814 (0.769 - 0.846)
Combo 1	131	0.839 (0.704 - 0.885)

Table 11 Liver Inflammation Compound Prediction Values for 24 Hour Data Predictive Genes (Combined List and Subsets)

Gene Set	Number of Genes	Overall Accuracy**			
Combo All	183	0.864 (0.739 – 0.955)			
Combo 5	1	0.886 (0.826 - 0.952)			
Combo 3	23	0.855 (0.810 – 0.885)			
Combo 2	28	0.796 (0.739 – 0.846)			
Combo 1	131	0.839 (0.696 – 0.909)			

Table 12 Individual Gene Predictions: Combo 3

Gene Name	Overall (Correct C		
	Mean	s.d.	min	max
60S ribosomal protein L6 (alternate clone 1)	0.602	0.084	0.493	
60S ribosomal protein L6	0.715			
Beta-tubulin, class I	0.417	0.042		
c-jun	0.641	0.044		
Gadd45	0.727			
ID-1	0.564			
lkB-a	0.629			
Integrin beta1	0.740			
MAP kinase kinase	0.570			
Macrophage inflammatory protein-2 alpha	0.561			
Multidrug resistant protein-2	0.609			
Organic cation transporter 3	0.711			
Phase-1 RCT-144	0.762			
Phase-1 RCT-145	0.634			
Phase-1 RCT-179	0.710			
Phase-1 RCT-192	0.675			
Phase-1 RCT-207	0.734			
Phase-1 RCT-225	0.579	0.023		
Phase-1 RCT-242	0.62	0.106		
Phase-1 RCT-49	0.66	0.05		
Phase-1 RCT-50	0.609	0.032	0.57	
Phase-1 RCT-92	0.60	0.33		
Zinc finger protein	0.77	0.04	1 0.72	0.819
				_
Average Individual Combo 3	0.64			
Minimum Individual Combo 3	0.41			
Maximum Individual Combo 3	0.77	5 0.33	5 0.72	2 0.883

Table 13 Individual Gene Predictions: Combo 2

Gene Name	Overall			
	Mean		min	max
14-3-3 zeta	0.702			
Alpha-tubulin	0.450			
Beta-actin	0.639	0.046		
Cathepsin L, sequence 2	0.509		0.127	
с-тус	0.672			
Cytochrome P450 11A1	0.677	0.180		
Gadd153	0.502		0.354	
IgE binding protein	0.721			
L-gulono-gamma -lactone oxidase	0.680			
Matrin F/G	0.695			
MHC class I antigen RT1.A1(f) alpha-	0.475	0.139	0.360	0.707
chain		ļ		0.050
Nucleoside diphosphate kinase beta	0.573	0.062	0.506	0.653
isoform		0.000	0.608	0.764
Ornithine decarboxylase	0.666			
PAR interacting protein	0.720			
Phase-1 RCT-181	0.73			
Phase-1 RCT-185	0.61			
Phase-1 RCT-205	0.58			·
Phase-1 RCT-213	0.59			
Phase-1 RCT-233	0.65			
Phase-1 RCT-258	0.72			
Phase-1 RCT-288	0.85			
Phase-1 RCT-33	0.67			
Phase-1 RCT-36	0.64			
Phase-1 RCT-39	0.65			
Phase-1 RCT-60	0.56			
Phase-1 RCT-64	0.81			
Phase-1 RCT-65	0.55			
Phase-1 RCT-78	0.80	5 0.16	7 0.50	0.886
Average Individual Combo 3	0.64			
Minimum Individual Combo 3	0.45		2 0.05	
Maximum Individual Combo 3	0.85	9 0.32	4 0.83	0.886

Table 14 Comparison of Predictivity for True Liver Inflammation Classification and Random Classification Using Combo Gene Sets and Random Subsets and 24h data

					(Overa	11	Accu	racy**					
Gene List*	Gene Subset*	Correc	t C	lassific	a	ion			Rand	or	n Classif	ica	ation	
Gene List	Cono Cusco.	Mean		Min	-	Max	Г		Mean		Min.		Max.	
							Γ							
Combo All	All Genes	0.860	7	0.785	-	0.933)		0.149	(0.055	-	0.278	-
	5 genes (1)	0.648	(0.315	-	0.886)		0.479	(0.178	-	0.785	•
	5 genes (2)	0.808	(0.764					0.177	(0.093	-	0.278	_
	10 genes (1)	0.839	(0.759					0,173	(0.152	_	0.205	_
	10 genes (2)	0.843	(0.785				<u> </u>	0.199	L	0.107		0.266	_
	15 genes (1)	0.735	(0.658				L	0.232	1	0.151	Ŀ	0.292	_
	15 genes (2)	0.799	(0.696	Ŀ	0.867	1)		0.181	1	0.137	ŀ	0.293	12
			L		L		ļ			Ļ.		╀	0.054	Ļ
Combo 5 3 2	All Genes	0.852	(0.797	-	0.907	1)	Ц	0.223	Ц	0.139	+-	0.354	÷
	5 genes (1)	0.766	1	0.722	Ŀ	0.800			0.239	1	0.167	+-	0.299	т
	5 genes (2)	0.789	1	0.764	-	0.818			0.177	1	0.133	ŀ	0.278	-1-
	10 genes (1)	0.778	1	0.722	-	0.818			0.185	1	0.111	ŀ	0.234	т
	10 genes (2)	0.813	1	0.764	-	0.844)	0.256	1	0.139	-	0.351	7
	15 genes (1)	0.763	1	0.722	١.	0.840)	0.205	1	0.111		0.299	_
	15 genes (2)	0.867	1	0.823	٦.	0.903	3])	0.193	1	0.123	Ŀ	0.253	1
<u> </u>	10 30112 (1)		†		T							1		4
All-Pred	5 genes (1)	0.559	1	0.467	Ţ.	0.625	5)	0.244		0.187	Ŀ	0.342	4
7	5 genes (2)	0.612	1		-	0.747	_		0.205	(0.139	ŀ	0.280)
	10 genes (1)	0.691	1		_	0.787)	0.219		0.152	.	0.307	1
	10 genes (2)	0.528	17	0.431	-	0.693	_)	0.197	1	0.093].	0.293	3
	15 genes (1)	0.509	17	0.456		0.587	-		0.194	1	0.080	Ţ.	0.30	1
	15 genes (2)	0.623	1		-	0.733	-+		0.220		0.167	Ī	0.247	7

Table 15 Distribution of Compounds* in Individual Training and Test Sets for 6 Hour Liver Inflammation Data

Training Set 1				Test Set 1 Positive**-	Test Set 1 Positive**-
Negative**	Set 1	Positive**-	- 1 - 0		
	Positive**-			Necrosis	Necrosis
	Necrosis	with		i i	with
		Inflammation			Inflammation
	ļ	Į			
CHLOR-Low*	TET-High [†]	DMN-High ⁺	HYD-High ⁺	APAP-High*	BRB-Low*
TAM-High	CCL4-Low	ANIT-High	CYCA-Low		CAD-4
BEN-Low		CCL4-High	GEN-Low		BRB-High
CHEX-High		LPS-High	ERY-Low		
5-FU-Low		AFLB	CMC-Low	<u> </u>	
NAL-High			PHEN-High	ļ	
TAM-Low			DOX-Low	<u> </u>	
ERY-High			ANIT-Low		
PEG-Low			QUIN-Low		
HYD-Low			5-FU-Hi		
CPHOS-Low			DOX-High		
CAD-Low			BAP-High		
CLO-Low			CIS-Low		
STRZ-Low			KETO-High		
GEN-High			CIS-High		
GAN-Low			CAR-Low		
CPHOS-High			BEN-High		
QUIN-High			CLOZ-Low		_
NAL-Low			CLOZ-High		
EST-Low			PBARB-High		
STRZ-High			DIF-Low		
THEO-High			PHEN-Low		
EST-High			KETO-Low	_	
ETH-Low			AMPB-Low		<u> </u>
PBARB-Low			GAN-High	ļ	
CAR-High					
TET-Low					
CHCL3-Low					
АМРВ-Ні					
CHCL3-High					
ISON-Low					
THEO-Low					
MET-High					<u> </u>

lour Uses 1	1	į			
PUR-High					
CLO-High					
DEX-High					
APAP-Low		·			
BUS-Low					
PUR-Low					
DIF-High					
CAD-High					
BAP-Low					
LPS-Low					
ISON-High					
CHLOR-High				ļ	
MET-Low					
CHEX-Low					
DEX-Low					
BUS-High				<u> </u>	
CYCA-High				<u> </u>	<u> </u>

Training Set 2 Negative	2 Positive-	Training Set 2 Positive- Necrosis with Inflammation	Test Set 2 Negative	Test Set 2 Positive- Necrosis	Test Set 2 Positive- Necrosis with Inflammation
QUIN-High	CCL4-Low	LPS-High	QUIN-Low	TET-High	DMN-High
DOX-Low	APAP-High	AFLB	CMC-Low	<u> </u>	BRB-Low
CHEX-Low		BRB-High ⁻	CLO-High	<u> </u>	CAD-4
THEO-Low		ANIT-High	STRZ-Low		
BUS-Low		CCL4-High	BUS-High		
STRZ-High			ISON-High		
CPHOS-Low			CYCA-High		
GAN-High			THEO-High		
BEN-Low			CLO-Low		
EST-High			AMPB-Hi		
ANIT-Low			CYCA-Low		
HYD-High			CHCL3-High		
DIF-Low			CLOZ-Low		<u>. </u>
ISON-Low			GEN-Low		
GAN-Low			AMPB-Low		
KETO-High			TET-Low		
PBARB-Low			CAD-Low		

PHEN-High	NAL-Low
BEN-High	CHLOR-Low
CIS-Low	ERY-High
CHLOR-High	GEN-High
ETH-Low	PUR-High
CLOZ-High	DIF-High
PUR-Low	HYD-Low
CHCL3-Low	DOX-High
PHEN-Low	
ERY-Low	
5-FU-Hi	
CAR-High	
MET-High	
CIS-High	
5-FU-Low	
CHEX-High	
TAM-High	
EST-Low	
APAP-Low	
NAL-High	
LPS-Low	
CPHOS-High	
CAD-High	
MET-Low	
BAP-High	
TAM-Low	
KETO-Low	
BAP-Low	
DEX-Low	
PBARB-High	
DEX-High	
CAR-Low	
PEG-Low	

Training Set 3 Negative	3 Positive- Necrosis	Training Set 3 Positive- Necrosis with Inflammation	Test Set 3 Negative	Positive-	Test Set 3 Positive- Necrosis with Inflammation
CPHOS-Low	TET-High	ANIT-High	ISON-Low	CCL4-Low	CAD-4
CHEX-High		BRB-Low	QUIN-High		BRB-High

THEO-Low	{	AFLB	NAL-High	<u>'</u>	LPS-High
AMPB-Low		DMN-High	CHEX-Low		
5-FU-Low		CCL4-High	ETH-Low	-	
CHLOR-High		<u> </u>	TAM-High		
APAP-Low	 		GAN-Low		
THEO-High			BUS-High		
STRZ-High	<u> </u>		STRZ-Low		
CPHOS-High			NAL-Low		
DEX-High			PHEN-Low		
ISON-High			BAP-High		
HYD-High			CLO-High		
BEN-High		i	PHEN-High		
CAR-Low			ERY-Low		
5-FU-Hi			PEG-Low	- ~-~	
CLO-Low			LPS-Low	· · · · · · · · · · · · · · · · · · ·	
EST-Low			CLOZ-High		
CAR-High			GAN-High		
CIS-High			GEN-Low		
CHCL3-High	 		DIF-Low		
PUR-High			PBARB-Low		
BEN-Low			KETO-Low		
CLOZ-Low			PBARB-High		·
BAP-Low			PUR-Low		
CHCL3-Low			1		 -
TAM-Low			 		
DIF-High		 -	1		
DEX-Low	 		 		
ANIT-Low	 				
CYCA-High			 		
DOX-High	 		 		
TET-Low			 		
GEN-High			1		
BUS-Low			1		
CMC-Low			 		
AMPB-Hi	 		 		
MET-High					
HYD-Low					
CIS-Low			 		·-
QUIN-Low	 				
CYCA-Low					
CAD-Low					
MET-Low	 			-, , , , , , , , , , , , , , , , , , , 	
DOX-Low	 				
KETO-High	 				
CHLOR-Low			 		
CAD-High	 		 		
	 	<u> </u>	 	 	
ERY-High	<u> </u>	<u> </u>	l		t

EST-High	
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Training Set 4	Training	Training Set 4	Test Set 4	Test Set 4	Test Set 4
	Set 4	Positive-	Negative	Positive-	Positive-
Tiogativo	Positive-	Necrosis with		Necrosis	Necrosis with
	Necrosis	Inflammation			Inflammation
	110010313				
	1			1	
EDV/1 avv		040.4	TET-Low	APAP-High	DMN-High
ERY-Low	TET-High	CAD-4	GEN-High	AFAF-High	BRB-High
BAP-Low	CCL4-Low	AFLB		 	ANIT-High
MET-High		BRB-Low	KETO-Low	 	ANTI-FIIGH
ISON-High	<u> </u>	LPS-High	DEX-High	ļ	
DIF-Low		CCL4-High	CAR-High	 	
5-FU-Hi		<u> </u>	CLO-Low		
HYD-High	<u> </u>		CAD-Low		
PUR-High			CHLOR-High	<u> </u>	
THEO-Low			DOX-Low		
DEX-Low	<u> </u>		5-FU-Low		1
QUIN-Low			CHCL3-High	<u> </u>	
CHCL3-Low			AMPB-Hi	<u> </u>	
THEO-High		<u> </u>	DIF-High	ļ	
PEG-Low			CPHOS-Low		
EST-Low			STRZ-Low		
CHEX-High			QUIN-High		
AMPB-Low			CHEX-Low		
CYCA-High			CLO-High_		
LPS-Low		•	BUS-Low	<u> </u>	
CLOZ-Low			GAN-High		
TAM-Low			ISON-Low		
GEN-Low			TAM-High		v
BAP-High			BUS-High		
CIS-Low			DOX-High		
BEN-Low			CMC-Low		
KETO-High					
CPHOS-High					
STRZ-High			·		
CIS-High					
HYD-Low					
NAL-Low					
MET-Low			1		
PHEN-High	+				
ETH-Low	+				
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Training Set 5 Negative	Training Set 5 Positive- Necrosis	Training Set 5 Positive- Necrosis with Inflammation	Test Set 5 Negative	Test Set 5 Positive- Necrosis	Test Set 5 Positive- Necrosis with Inflammation
CAR-Low	APAP-High	BRB-High	BUS-High	TET-High	CCL4-High
TET-Low	CCL4-Low	LPS-High	ISON-High		BRB-Low
QUIN-Low		DMN-High	CMC-Low	<u> </u>	AFLB
CPHOS-Low		ANIT-High	AMPB-Low		<u> </u>
MET-High		CAD-4	HYD-Low		
5-FU-Hi			GEN-High		
GAN-Low			BAP-High		<u> </u>
DOX-High			PBARB-High		_
BAP-Low			CIS-High		_
BEN-Low			PHEN-High		
CHEX-High			ERY-High		
NAL-High			KETO-High		
PBARB-Low			THEO-High	ļ <u> </u>	
STRZ-High			BUS-Low	<u> </u>	
PEG-Low			CHCL3-Low	 -	
ERY-Low			EST-High		
DIF-Low			APAP-Low	<u>'</u>	1

AMPB-Hi	CHLOR-High	
PUR-High	CAD-High	
GEN-Low	5-FU-Low	
ETH-Low	CYCA-High	
GAN-High	ISON-Low	
CYCA-Low	PHEN-Low	
CLOZ-High	MET-Low	
HYD-High	PUR-Low	
NAL-Low		
CHLOR-Low		
CLO-Low		
CAR-High		
TAM-Low		
STRZ-Low		
CPHOS-High		
CLO-High		
CHEX-Low		
THEO-Low		
ANIT-Low		
DOX-Low		
CIS-Low		
DEX-High		
TAM-High		
EST-Low		
DIF-High		
DEX-Low		
CLOZ-Low		
CHCL3-High		
KETO-Low		
CAD-Low		
QUIN-High		
LPS-Low		
BEN-High		

Table 16 List of Genes, Whose Expression at 6h Directly Correlates with Liver Inflammation at 72h, Ranked by Pearson Correlation Coefficient

Gene	Correlation Coefficient
Phase-1 RCT-207	0.383
Phase-1 RCT-59	0.356
c-jun	0.346
Phase-1 RCT-50	0.327
Cyclin G	0.321
Phase-1 RCT-144	0.320
Gadd153	0.317
ID-1	0.313
Heme oxygenase	0.310
Zinc finger protein	0.300
NIPK	0.299
Phase-1 RCT-179	0.295
Phase-1 RCT-197	0.293
Gadd45	0.293
Activating transcription factor 3	0.275
c-myc	0.274
Melanoma-associated antigen ME491	0.270
Beta-tubulin, class I	0.265
Phase-1 RCT-49	0.260
Waf1	0.259
14-3-3 zeta	0.253
Phase-1 RCT-225	0.252
Cathepsin L, sequence 2	0.248
Phase-1 RCT-212	0.247
Phase-1 RCT-242	0.243
Ferritin H-chain	0.235
Phase-1 RCT-62	0.232
Phase-1 RCT-75	0.232
Argininosuccinate lyase	0.230
Phase-1 RCT-156	0.230
Caspase 6	0.229
Insulin-like growth factor binding protein 1	0.227
Phase-1 RCT-228	0.227
Phase-1 RCT-109	0.225
Integrin beta1	0.224
Colony-stimulating factor-1	0.223
Phase-1 RCT-111	0.221
Phase-1 RCT-191	0.220
Phase-1 RCT-72	0.220
Phase-1 RCT-103	0.220

Phase-1 RCT-12	0.218
Matrix metalloproteinase-1	0.217
Phase-1 RCT-127	0.216
NGF-inducible anti-proliferative putative secreted	
protein (PC3)	0.216
Phase-1 RCT-171	0.215
Macrophage inflammatory protein-1 alpha	0.212
Phase-1 RCT-259	0.211
MHC class I antigen RT1.A1(f) alpha-chain	0.210
Phase-1 RCT-95	0.208
Phase-1 RCT-235	0.204
Phase-1 RCT-55	0.203
Phase-1 RCT-221	0.202
Ubiquitin conjugating enzyme (RAD 6 homologue)	0.202
Macrophage inflammatory protein-2 alpha	0.201

Table 17 List of Genes, Whose Expression at 6 h Inversely Correlates with Liver Inflammation at 72h, Ranked by Spearman Correlation Coefficient

Gene	Correlation Coefficient
Diacylglycerol kinase zeta	-0.150 -0.151
Carbamyl phosphate synthetase I	-0.152
Phase-1 RCT-28	-0.154
Cyclin D3	-0.154
3-methyladenine DNA glycosylase	-0.155
Phase-1 RCT-63	
8-oxoguanine DNA glycosylase	-0.156
Cholesterol 7-alpha-hydroxylase (P450 VII)	-0.160
Phase-1 RCT-141	-0.160
Peroxisome assembly factor 1	-0.161
Phase-1 RCT-184	-0.161
Phase-1 RCT-260	-0.162
Glutamine synthetase	-0.162
Vesicular monoamine transporter (VMAT)	-0.162
Phase-1 RCT-112	-0.167
Inositol polyphosphate multikinase (Ipmk)	-0.168
Phase-1 RCT-280	-0.171
Matrin F/G	-0.172
Selenoprotein P	-0.172
Complement component C3	-0.172
Phase-1 RCT-32	-0.172
Phase-1 RCT-13	-0.174
Phase-1 RCT-114	-0.175
Organic anion transporter K1	-0.176
Phase-1 RCT-82	-0.176
Phase-1 RCT-168	-0.177
Carbonic anhydrase II	-0.179
Cytochrome P450 2E1	-0.181
Stem cell factor	-0.183
Phase-1 RCT-83	-0.184
C4b-binding protein	-0.184
Phase-1 RCT-140	-0.185
JNK1 stress activated protein kinase	-0.187
Peroxisomal multifunctional enzyme type II	-0.189
Cyclin dependent kinase 4	-0.189
Organic anion transporter 3	-0.190
Alcohol dehydrogenase 1	-0.190
Phase-1 RCT-139	-0.196
Emerin	-0.199
Phase-1 RCT-173	-0.205
Nucleosome assembly protein	-0.207

Phase-1 RCT-73	-0.209
Phase-1 RCT-214	-0.214
Phase-1 RCT-119	-0.215
Tryptophan hydroxylase	-0.216
PTEN/MMAC1	-0.217
Thymidylate synthase	-0.220
DNA topoisomerase I	-0.223
Phase-1 RCT-40	-0.228
Sarcoplasmic reticulum calcium ATPase	-0.228
Protein tyrosine phosphatase alpha	-0.238
Carbonic anhydrase III	-0.243
3-beta-hydroxysteroid dehydrogenase (HSD3B1)	-0.256
Phase-1 RCT-161	-0.261
Glucokinase	-0.265
Senescence marker protein-30	-0.275
Acetyl-CoA carboxylase	-0.294

Table 18 List of genes whose expression at 6 hours is predictive of liver inflammation at 72 hours

Gene	Combination* (No. of Occurrences)
Gadd153	5
Argininosuccinate lyase	4
Beta-tubulin, class I	4
Cathepsin L, sequence 2	4
c-myc	. 4
Heme oxygenase	4
Insulin-like growth factor binding protein 1	4
Integrin beta1	4
Interferon related developmental regulator IFRD1 (PC4)	4
Monoamine oxidase B	4
NIPK	4
Phase-1 RCT-127	4
Phase-1 RCT-197	4
Phase-1 RCT-207	. 4
Phase-1 RCT-242	4
Phase-1 RCT-50	4
Phase-1 RCT-72	4
Phase-1 RCT-75	4
Senescence marker protein-30	4
8-oxoguanine DNA glycosylase	3
Axin	3
C4b-binding protein	3
Carbamyl phosphate synthetase I	3
Caspase 6	3
c-jun	3
Cyclin G	3
Gadd45	3
ID-1	3
JNK1 stress activated protein kinase	3
Macrophage inflammatory protein-1 alpha	3
NGF-inducible anti-proliferative putative secreted protein (PC3)	3
Peroxisome proliferator activated receptor gamma	3
Phase-1 RCT-161	3
Phase-1 RCT-168	3
Phase-1 RCT-184	3
Phase-1 RCT-214	3
Phase-1 RCT-225	3
Phase-1 RCT-287	3
Phase-1 RCT-40	3
Phase-1 RCT-49	3

Phase-1 RCT-89	3
Selenoprotein P	3
Stem cell factor	3
Zinc finger protein	3
Phase-1 RCT-171	2
14-3-3 zeta	2
3-methyladenine DNA glycosylase	2
Acetyl-CoA carboxylase	2
Alcohol dehydrogenase 1	2
Alpha-fetoprotein	2
AT-3	2
Carbonic anhydrase III	2
Cholesterol 7-alpha-hydroxylase (P450 VII)	2
Ciliary neurotrophic factor	2
Cofilin	2
Colony-stimulating factor-1	2
Cytochrome P450 2E1	2
DNA binding protein inhibitor ID2	2
DNA polymerase beta	2
DNA topoisomerase I	2
Elongation factor-1 alpha	2
Emerin	2
Equilbrative nitrobenzylthioinosine-sensitive	2
nucleoside transporter	2
Ferritin H-chain	2 2
Fetuin beta (Fetub)	1
Gamma-actin, cytoplasmic	2 2
Glucokinase	
Glucose-regulated protein 78	2
Glutathione S-transferase theta-1	2
HMG CoA reductase	2
Insulin-like growth factor I	2
Iron-responsive element-binding protein	2
Matrin F/G	2
Melanoma-associated antigen ME491	2
Multidrug resistant protein-2	2
NADP-dependent isocitrate dehydrogenase, cytosolic	2
Nucleosome assembly protein	2
Peroxisomal multifunctional enzyme type II	2
Peroxisome assembly factor 1	2
Phase-1 RCT-252	2
Phase-1 RCT-109	2
Protein O-mannosyltransferase 1 (Pomt1)	2
Phase-1 RCT-123	2
Phase-1 RCT-141	2
Phase-1 RCT-144	2
Phase-1 RCT-166	2
F11030-1 1\01-100	<u> </u>

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Phase-1 RCT-169	2
Phase-1 RCT-173	2
Phase-1 RCT-179	2
Phase-1 RCT-18	2
Phase-1 RCT-191	2
Phase-1 RCT-221	2
Phase-1 RCT-251	2
Phase-1 RCT-270	2
Phase-1 RCT-28	2
Phase-1 RCT-289	2
Phase-1 RCT-297	2
Phase-1 RCT-32	2
Phase-1 RCT-55	2
Phase-1 RCT-59	2
Phase-1 RCT-62	2
Phase-1 RCT-63	2
Phase-1 RCT-65	2
Phase-1 RCT-66	2
Phase-1 RCT-71	2
Phase-1 RCT-73	2
Phase-1 RCT-82	2
Phase-1 RCT-9	2
Phase-1 RCT-95	2
Proliferating cell nuclear antigen gene	2
Proliferating ceir ruclear artigen gene Pyruvate kinase, muscle	2
	2
Ribosomal protein L13A Thioredoxin-1 (Trx1)	2
Thymidylate synthase	2
Cyclin-dependent kinase 4 inhibitor P27kip1	
(alternate clone)	1
Cytochrome P450 2C39 (alternate clone 2)	1
3-beta-hydroxysteroid dehydrogenase (HSD3B1)	1
3-hydroxyisobutyrate dehydrogenase	i
Activating transcription factor 3	1
Activiting transcription factor 3	1
Acyl-CoA dehydrogenase, medium chain	1
Adenine nucleotide translocator 1	1
Alpha-1 acid glycoprotein	1
Alpha-1 microglobulin/bikunin precursor (Ambp)	1
Alpha-2-macroglobulin, sequence 2	1
Alpha-2-macroglobulin, sequence 2 Alpha-2-microglobulin	<u> </u>
Apolipoprotein E	1
the state of the s	1
Aryl sulfotransferase	
Urinary protein 2 precursor	1 1
Carbonic anhydrase II	
Carbonic anhydrase III, sequence 2	1
Carbonyl reductase	1
Ceruloplasmin	1

Complement component C3	1
Complement factor I (CFI)	1
Cyclin D3	1
Cystatin C	1
Cytochrome P450 1A2	. 1
Cytochrome P450 2C11	1
Diacylglycerol kinase zeta	1
Disulfide isomerase related protein (ERp72)	1
Dynamin-1 (D100)	1
Endogenous retroviral sequence, 5' and 3' LTR	1
Epoxide hydrolase	· 1
Focal adhesion kinase (pp125FAK)	1
Gap junction membrane channel protein beta 1	1
(Gjb1) Glucose transporter 2	1
	1
Glutamine synthetase	1
Glutathione S-transferase Yb2 subunit	1
Glutathione S-transferase P1	
Glutathione S-transferase Ya	1
Glycine methyltransferase	1
Hepatic lipase	1
Hypoxia-inducible factor 1 alpha	1 1
lkB-a	1
Insulin-like growth factor binding protein 5	11
Integrin beta-4	1
Inter-alpha-inhibitor H4 heavy chain (Itih4)	1
Liver fatty acid binding protein	11
Lysyl oxidase	11
Macrophage inflammatory protein-2 alpha	1
Malate dehydrogenase, cytosolic	11
Matrix metalloproteinase-1	1
Methylacyl-CoA racemase alpha	1
MHC class I antigen RT1.A1(f) alpha-chain	1
MHC class II antigen RT1.B-1 beta-chain	1
Multidrug resistant protein-1	1
NADPH cytochrome P450 oxidoreductase	1
N-cadherin	1
Organic anion transporter 3	1
Organic anion transporting polypeptide 1	1
Organic cation transporter 3	1
Osteopontin	1
Phase-1 RCT-10	1
Phase-1 RCT-103	1
Phase-1 RCT-108	1
Phase-1 RCT-111	1 1
Phase-1 RCT-112	1 1
	1
Phase-1 RCT-113	1
Phase-1 RCT-114	1

Phase-1 RCT-119 Phase-1 RCT-12 Phase-1 RCT-13 Phase-1 RCT-136 Phase-1 RCT-137 Phase-1 RCT-138 Phase-1 RCT-138 Phase-1 RCT-138 Phase-1 RCT-140 Phase-1 RCT-140 Phase-1 RCT-142 Phase-1 RCT-145 Phase-1 RCT-145 Phase-1 RCT-145 Phase-1 RCT-15 Phase-1 RCT-15 Phase-1 RCT-15 Phase-1 RCT-156 Phase-1 RCT-156 Phase-1 RCT-158 Phase-1 RCT-164 Phase-1 RCT-198 Phase-1 RCT-190 Phase-1 RCT-190 Phase-1 RCT-192 Phase-1 RCT-192 Phase-1 RCT-202 Phase-1 RCT-204 Calgranulin B Phase-1 RCT-204 Phase-1 RCT-212 Phase-1 RCT-22 Phase-1 RCT-235 Phase-1 RCT-240 Phase-1 RCT-240 Phase-1 RCT-258 Phase-1 RCT-258 Phase-1 RCT-259 Phase-1 RCT-259 Phase-1 RCT-260 Phase-1 RCT-264	Phone 4 PCT 117	1
Phase-1 RCT-12		
Phase-1 RCT-13 Phase-1 RCT-136 Phase-1 RCT-137 Phase-1 RCT-138 Phase-1 RCT-140 Phase-1 RCT-140 Phase-1 RCT-142 Phase-1 RCT-143 Phase-1 RCT-145 Phase-1 RCT-145 Phase-1 RCT-15 Phase-1 RCT-15 Phase-1 RCT-15 Phase-1 RCT-15 Phase-1 RCT-156 Phase-1 RCT-158 Phase-1 RCT-164 Phase-1 RCT-164 Phase-1 RCT-189 Phase-1 RCT-192 Phase-1 RCT-192 Phase-1 RCT-202 Phase-1 RCT-204 Calgranulin B Phase-1 RCT-204 Calgranulin B Phase-1 RCT-22 Phase-1 RCT-25 Phase-1 RCT-240 Phase-1 RCT-25 Phase-1 RCT-240 Phase-1 RCT-259 Phase-1 RCT-259 Phase-1 RCT-259 Phase-1 RCT-259 Phase-1 RCT-264 Phase-1 RCT-264 Phase-1 RCT-259 Phase-1 RCT-264 Phase-1 RCT-259 Phase-1 RCT-264		
Phase-1 RCT-136		
Phase-1 RCT-137 Phase-1 RCT-138 Phase-1 RCT-140 Phase-1 RCT-142 Phase-1 RCT-143 Phase-1 RCT-145 Phase-1 RCT-145 Phase-1 RCT-15 Phase-1 RCT-15 Phase-1 RCT-15 Phase-1 RCT-156 Phase-1 RCT-158 Phase-1 RCT-164 Phase-1 RCT-180 Phase-1 RCT-189 Phase-1 RCT-192 Phase-1 RCT-192 Phase-1 RCT-195 Phase-1 RCT-202 Phase-1 RCT-204 Calgranulin B Phase-1 RCT-212 Phase-1 RCT-22 Phase-1 RCT-241 Phase-1 RCT-241 Phase-1 RCT-258 Phase-1 RCT-258 Phase-1 RCT-258 Phase-1 RCT-258 Phase-1 RCT-259 Phase-1 RCT-259 Phase-1 RCT-260 Phase-1 RCT-264		
Phase-1 RCT-138		
Phase-1 RCT-140 Phase-1 RCT-142 Phase-1 RCT-143 Phase-1 RCT-145 Phase-1 RCT-145 Phase-1 RCT-148 Phase-1 RCT-15 Phase-1 RCT-15 Phase-1 RCT-15 Phase-1 RCT-156 Phase-1 RCT-158 Phase-1 RCT-158 Phase-1 RCT-164 Phase-1 RCT-180 Phase-1 RCT-189 Phase-1 RCT-192 Phase-1 RCT-192 Phase-1 RCT-202 Phase-1 RCT-204 Calgranulin B Phase-1 RCT-212 Phase-1 RCT-22 Phase-1 RCT-235 Phase-1 RCT-240 Phase-1 RCT-240 Phase-1 RCT-241 Phase-1 RCT-258 Phase-1 RCT-258 Phase-1 RCT-259 Phase-1 RCT-259 Phase-1 RCT-260 Phase-1 RCT-264		
Phase-1 RCT-142 1 Phase-1 RCT-143 1 Phase-1 RCT-145 1 Phase-1 RCT-145 1 Phase-1 RCT-148 1 Phase-1 RCT-15 1 Phase-1 RCT-15 1 Phase-1 RCT-156 1 Phase-1 RCT-156 1 Phase-1 RCT-158 1 Phase-1 RCT-180 1 Phase-1 RCT-180 1 Phase-1 RCT-189 1 Phase-1 RCT-192 1 Phase-1 RCT-192 1 Phase-1 RCT-195 1 Phase-1 RCT-202 1 Phase-1 RCT-204 1 Calgranulin B 1 Phase-1 RCT-212 1 Phase-1 RCT-22 1 Phase-1 RCT-22 1 Phase-1 RCT-235 1 Phase-1 RCT-240 1 Phase-1 RCT-240 1 Phase-1 RCT-258 1 Phase-1 RCT-258 1 Phase-1 RCT-259 1 Phase-1 RCT-259 1 Phase-1 RCT-260 1 Phase-1 RCT-264 1		
Phase-1 RCT-143 1 Phase-1 RCT-145 1 Phase-1 RCT-148 1 Phase-1 RCT-15 1 Phase-1 RCT-15 1 Phase-1 RCT-15 1 Phase-1 RCT-156 1 Phase-1 RCT-158 1 Phase-1 RCT-164 1 Phase-1 RCT-189 1 Phase-1 RCT-189 1 Phase-1 RCT-192 1 Phase-1 RCT-195 1 Phase-1 RCT-202 1 Phase-1 RCT-204 1 Calgranulin B 1 Phase-1 RCT-212 1 Phase-1 RCT-22 1 Phase-1 RCT-235 1 Phase-1 RCT-240 1 Phase-1 RCT-241 1 Phase-1 RCT-25 1 Phase-1 RCT-25 1 Phase-1 RCT-25 1 Phase-1 RCT-259 1 Phase-1 RCT-260 1 Phase-1 RCT-264 1		<u></u>
Phase-1 RCT-145 Phase-1 RCT-148 Phase-1 RCT-15 Phase-1 RCT-15 Phase-1 RCT-151 Phase-1 RCT-156 Phase-1 RCT-158 Phase-1 RCT-164 Phase-1 RCT-180 Phase-1 RCT-189 Phase-1 RCT-192 Phase-1 RCT-195 Phase-1 RCT-202 Phase-1 RCT-204 Calgranulin B Phase-1 RCT-212 Phase-1 RCT-22 Phase-1 RCT-25 Phase-1 RCT-25 Phase-1 RCT-25 Phase-1 RCT-25 Phase-1 RCT-25 Phase-1 RCT-25 Phase-1 RCT-259 Phase-1 RCT-260 Phase-1 RCT-264 Phase-1 RCT-264 Phase-1 RCT-264 Phase-1 RCT-264 Phase-1 RCT-264 Phase-1 RCT-264		<u> </u>
Phase-1 RCT-148 1 Phase-1 RCT-15 1 Phase-1 RCT-151 1 Phase-1 RCT-156 1 Phase-1 RCT-158 1 Phase-1 RCT-164 1 Phase-1 RCT-180 1 Phase-1 RCT-180 1 Phase-1 RCT-189 1 Phase-1 RCT-192 1 Phase-1 RCT-195 1 Phase-1 RCT-202 1 Phase-1 RCT-204 1 Calgranulin B 1 Phase-1 RCT-212 1 Phase-1 RCT-22 1 Phase-1 RCT-25 1 Phase-1 RCT-240 1 Phase-1 RCT-240 1 Phase-1 RCT-25 1 Phase-1 RCT-25 1 Phase-1 RCT-25 1 Phase-1 RCT-259 1 Phase-1 RCT-260 1 Phase-1 RCT-264 1		
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Phase-1 RCT-288 1	Phase-1 RCT-288	
Phase-1 RCT-29 1	Phase-1 RCT-29	
Phase-1 RCT-290 1	Phase-1 RCT-290	1
Phase-1 RCT-294 1		1
Phase-1 RCT-3 1		1
Phase-1 RCT-34 1		1
Phase-1 RCT-39 1		1
Phase-1 RCT-42 1		1
Phase-1 RCT-43 1		1

Phase-1 RCT-45	
Phase-1 RCT-53	
Phase-1 RCT-54	1
Phase-1 RCT-56	1
Phase-1 RCT-76	1
Phase-1 RCT-83	1
Phase-1 RCT-90	1
Phase-1 RCT-91	11
Phase-1 RCT-96	11
Phosphatidylethanolamine-binding protein	1
Phospholipase D	1
Prostaglandin H synthase	1
Protein tyrosine phosphatase alpha	11
PTEN/MMAC1	1
Retinol-binding protein (RBP)	11
Ribosomal protein L13	1
Ribosomal protein S9	1
Sarcoplasmic reticulum calcium ATPase	11
Stathmin	1
Superoxide dismutase Mn	1
Syndecan-1	1
Tissue factor pathway inhibitor	1
Tissue plasminogen activator	1
Tryptophan hydroxylase	1
Ubiquitin conjugating enzyme (RAD 6 homologue)	1
UDP-glucuronosyltransferase	1
Vascular endothelial growth factor	1
Very long-chain acyl-CoA synthetase	1
Very long or dain day: Cor to your control of the Very long or dain day: Cor to your control of the Very long or day and	1
VL30 element	1
Waf1	1
VVali	<u> </u>

Table 19 Comparison of Predictivity for True Liver Inflammation Classification and Random Classification Using Combo Gene Sets and 6h data

					Overa	ıll	Accur	acy**					
Gene List*	Corre	ct	Classific	ca	tion	Ī		Rand	or	n Classi	fic	ation	
	Mean	Τ	Min	-	Max			Mean	П	Min.	-	Max.	
Combo All	0.736	1	0.638	-	0.815)		0.405	(0.321	-	0.463	0
Combo 5	0.660	7	0.364	-	0.788)		0.448		0.210	Ŀ	0.597	[)
Combo 4	0.767	(0.650	-	0.840)		0.302	(0.150	-	0.378	
Combo 3	0.745	(0.700	-	0.802			0.357	(0.309	-	0.425	1)
Combo 2	0.698	(0.538	-	0.770)		0.361		0.325	-	0.420	
Combo 1	0.515		0.338	-	0.679)		0.378		0.257	-	0.455	

Table 20 Distribution of Compounds* in Individual Training and Test Sets for 72 Hour Liver Inflammation Data

	Set 1	Training Set 1 Positive**- Necrosis with Inflammation	Test Set 1 Negative**	Test Set 1 Positive**- Necrosis	Test Set 1 Positive**- Necrosis with Inflammation
5-FU-High ⁺	CCL4-Low ⁺	CCL4-High [†]	5-FU-Low [†]	APAP-High ⁺	ANIT-High [†]
AMPB-Low	TET-High	BRB-High	THEO-Low		DMN
APAP-Low	i Li i iigii	AFLB	AMPB-High		
AZA-High		BRB-Low	ANIT-Low		
AZA-Low		LPS-High	CAD-Low		
BAP	 		CHCL3-High		
BEN-High		1	CHEX-High		
BEN-Low	 		CHEX-Low		
BUS			CLOZ-High		
CAD-High	<u> </u>	†	CLOZ-Low		
CAR			CYCA-High		
CHCL3-Low			DEX-Low		<u> </u>
CHLOR-High			ERY-High	l	
CHLOR-Low		,	GAN-Low		
CIS-High			GEN-Low		
CIS-Low			HYD-Low		
CLO-High			PHEN-High	<u> </u>	
CLO-Low			PUR-High_		
CMC			PUR-Low		
CPHOS-High			QUIN-High	<u> </u>	
CPHOS-Low			TET-Low		
CYCA-Low			THEO-High		<u>-</u>
DEX-High				<u> </u>	
DIF-High					-
DIF-Low					
DOX					
ERY-Low					
EST-High					
EST-Low					
ETH				_	
GAN-High					
GEN-High					
HYD-High					

ISON-High	·	1]
ISON-Low			
KETO-High			
KETO-Low			
LPS-Low			
MET			
NAL-High			
NAL-Low			
PBARB-High			
PBARB-Low			
PEG			
PHEN-Low			
QUIN-Low			
STRZ-High			
STRZ-Low			
TAM-High			
TAM-Low_			-

Training Set 2	Training	Training Set 2	Test Set 2	Test Set 2	Test Set 2
Negative	Set 2	Positive-	Negative	Positive-	Positive-
	Positive-	Necrosis with		Necrosis	Necrosis with
	Necrosis	Inflammation			Inflammation
	1				
]			
PEG	CCL4-Low	AFLB	ANIT-Low	APAP-High	DMN
5-FU-High	TET-High	ANIT-High	APAP-Low		BRB-Low
5-FU-Low		BRB-High	BAP		
AMPB-High		CCL4-High	BEN-High		
AMPB-Low		LPS-High	CHEX-Low	0	
AZA-High			CIS-High		
AZA-Low			CLO-Low		
BEN-Low			CMC		
BUS			CPHOS-Low		
CAD-High			CYCA-High		
CAD-Low			DEX-Low		
CAR			EST-Low		
CHCL3-High			GEN-Low		
CHCL3-Low			ISON-Low		
CHEX-High			LPS-Low		
CHLOR-High			NAL-High		

CHLOR-Low		PBARB-High	
CIS-Low		PUR-Low	
CLO-High		QUIN-High	
CLOZ-High		STRZ-High	
CLOZ-Low		STRZ-Low	
CPHOS-High		THEO-Low	
CYCA-Low			
DEX-High			
DIF-High			
DIF-Low			
DOX			
ERY-High			
ERY-Low			
EST-High			
ETH			
GAN-High	·		
GAN-Low			
GEN-High			
HYD-High			
HYD-Low			
ISON-High			
KETO-High			
KETO-Low			
MET			
NAL-Low			
PBARB-Low			
PHEN-High			
PHEN-Low			
PUR-High			
QUIN-Low			
TAM-High			
TAM-Low			
TET-Low			
THEO-High			
<u></u>			

Training Set 3 Negative	3 Positive-	Training Set 3 Positive- Necrosis with Inflammation	Test Set 3 Negative	Test Set 3 Positive- Necrosis	Test Set 3 Positive- Necrosis with Inflammation
5-FU-High	APAP-High	AFLB	AMPB-Low	TET-High	LPS-High
5-FU-Low	CCL4-Low	ANIT-High	ANIT-Low		CCL4-High
AMPB-High		BRB-High	AZA-Low		
APAP-Low		BRB-Low	BEN-Low		
AZA-High		DMN	CHCL3-Low		
BAP			CHEX-High		
BEN-High		· · · · · · · · · · · · · · · · · · ·	CIS-Low		
BUS			CLO-High		
CAD-High			CLO-Low		
CAD-Low			CYCA-Low		
CAR			DIF-High		
CHCL3-High			ERY-Low		
CHEX-Low			EST-Low		
CHLOR-High			GAN-High		
CHLOR-Low			GAN-Low		
CIS-High			HYD-Low		
CLOZ-High			ISON-Low		
CLOZ-Low			LPS-Low		
CMC			NAL-Low		<u> </u>
CPHOS-High			PUR-Low		
CPHOS-Low			STRZ-High	<u></u>	
CYCA-High			STRZ-Low		
DEX-High					
DEX-Low					
DIF-Low	<u> </u>				
DOX				<u> </u>	
ERY-High				<u> </u>	
EST-High					
ETH				ļ	
GEN-High			ļ	 	
GEN-Low		ļ <u></u> -	 		
HYD-High	<u> </u>				
ISON-High	<u> </u>			<u> </u>	
KETO-High	<u> </u>		 		
KETO-Low	ļ				,
MET	ļ		<u> </u>		
NAL-High	<u> </u>		-	1	
PBARB-High	ļ		 		
PBARB-Low	<u> </u>		<u> </u>	1	<u> </u>

PEG	l	I			
PHEN-High					
PHEN-Low					
PUR-High					
QUIN-High					
QUIN-Low					
TAM-Hìgh					
TAM-Low					
TET-Low				 	
THEO-High			<u></u>		
THEO-Low		<u> </u>		<u> </u>	<u> </u>

Training and Test Set 4

Training Set 4	Training Set	Training Set 4	Test Set 4	Test Set 4	Test Set 4
Negative	4 Positive-	Positive-	Negative	Positive-	Positive-
	Necrosis	Necrosis with		Necrosis	Necrosis with
		Inflammation		ļ	Inflammation
			Ì		
	-			l	
		Ì			
AMPB-High	APAP-High	AFLB	5-FU-High	CCL4-Low	ANIT-High
ANIT-Low	TET-High	BRB-High	5-FU-Low		LPS-High
AZA-High		BRB-Low	AMPB-Low	ļ	
AZA-Low		CCL4-High	APAP-Low	ļ	
BAP		DMN	BEN-High		
BEN-Low			CHLOR-Low	ļ	
BUS			CIS-High	<u> </u>	<u> </u>
CAD-High			CIS-Low		
CAD-Low			CLO-High	 	
CAR			CPHOS-High		
CHCL3-High			CYCA-High		
CHCL3-Low			CYCA-Low		
CHEX-High]	<u> </u>	ERY-High		
CHEX-Low			ERY-Low		
CHLOR-High			ISON-High		
CLO-Low			ISON-Low		
CLOZ-High			KETO-Low		
CLOZ-Low			PBARB-Low_		
СМС			PHEN-Low		
CPHOS-Low			QUIN-Low		
DEX-High			TET-Low		
DEX-Low			THEO-Low		
DIF-High					

DIF-Low	 			
DOX				
EST-High				
EST-Low				
ETH				
GAN-High				
GAN-Low		 		
GEN-High				
GEN-Low		 		
HYD-High				
HYD-Low		 		
KETO-High				
LPS-Low				,
MET		 		
NAL-High		 		
NAL-Low		 		
PBARB-High				
PEG				
PHEN-High				
PUR-High				
PUR-Low		 		
QUIN-High				
STRZ-High				
STRZ-Low		 		
TAM-High			ļ <u></u>	
TAM-Low				
THEO-High				

Training and Test Set 5

Training Set 5 Negative	5 Positive-	Training Set 5 Positive- Necrosis with Inflammation	Test Set 5 Negative	Test Set 5 Positive- Necrosis	Test Set 5 Positive- Necrosis with Inflammation
TAM-Low	APAP-High	ANIT-High	AMPB-Low	TET-High	BRB-Low
CAR	CCL4-Low	BRB-High	ANIT-Low		AFLB
5-FU-High		CCL4-High	AZA-Low		
5-FU-Low		DMN	BEN-Low		
AMPB-High		LPS-High	CAD-Low		
APAP-Low			CHCL3-Low	<u> </u>	
AZA-High			CHLOR-High	<u> </u>	

DEX-Low DEX-Low DEX-Low DIF-High DEX-Low DIF-High DI	BAP	1		CIS-High		
DIF-High						
CAD-High	BUS			OIF-High		
CHCL3-High			E	EST-Low		
CHEX-High				GAN-High		
CHEX-Low GEN-High CHLOR-Low HYD-High CHLOR-Low SON-High CHLOR-Low SON-High CHLOR-Low SON-High CHLOR-Low SON-High CHLOR-High CHLOR-HIG						
CHLOR-Low HYD-High CIS-Low ISON-High CLO-High KETO-High CLO-Low NAL-High CLOZ-High PBARB-Low CLOZ-Low STRZ-High CMC TET-Low CPHOS-High THEO-High CPHOS-Low CYCA-High CYCA-High DIF-Low DEX-High DIF-Low DOX DEX-High DIF-Low DEX-High DOX DEX-High ERY-High DEX-High DOX DEX-High DEX-Low DEX-High DOX DEX-High DOX DEX-High DOX DEX-High DOX DEX-High DOX DEX-High				GEN-High	,	
SON-High						
CLO-High	CIS-Low			SON-High		
CLOZ-High				KETO-High		
PBARB-Low CLOZ-low STRZ-High CLOZ-Low STRZ-High CMC TET-Low CPHOS-High CPHOS-Low CPHOS-Low CYCA-High CYCA-High CYCA-High CYCA-Low CPHOS-Low CP				NAL-High		
CLOZ-Low				PBARB-Low		
CMC TET-Low CPHOS-High THEO-High CPHOS-Low CYCA-High CYCA-Low DEX-High DEX-High DIF-Low DEX-High DIF-Low DOX DEX-High ERY-Low ERY-Low EST-High DEX-High ETH DEX-High ETH DEX-High SISON-Low DEX-Low KETO-Low DEX-Low MET MAL-Low PBARB-High PEG PHEN-High PHEN-Low PUR-High PUR-Low QUIN-High QUIN-High QUIN-Low STRZ-Low TAM-High TAM-High				STRZ-High		
CPHOS-High THEO-High CPHOS-Low CYCA-High CYCA-Low DEX-High DIF-Low DIF-Low DOX DEX-High ERY-High ERY-Low EST-High EST-High ETH GEN-Low HYD-Low HYD-Low ISON-Low KETO-Low LPS-Low MET NAL-Low PBARB-High PEG PHEN-High PHEN-High PUR-High PUR-Low QUIN-High QUIN-Low STRZ-Low TAM-High TAM-High						
CPHOS-Low CYCA-High CYCA-Low DEX-High DIF-Low DOX ERY-High ERY-Low EST-High ETH GEN-Low HYD-Low ISON-Low KETO-Low LPS-Low MET NAL-Low PBARB-High PEG PHEN-High PHEN-Low PUR-High PUR-Low QUIN-High QUIN-Low STRZ-Low TAM-High				THEO-High		
CYCA-High CYCA-Low DEX-High DIF-Low DOX ERY-High ERY-Low EST-High ETH GEN-Low HYD-Low ISON-Low KETO-Low LPS-Low MET NAL-Low PBARB-High PEG PHEN-High PUR-Low QUIN-High QUIN-Low STRZ-Low TAM-High						
CYCA-Low DEX-High DIF-Low DOX ERY-High ERY-Low EST-High ETH GEN-Low HYD-Low ISSON-Low KETO-Low LPS-Low MET NAL-Low PBARB-High PEG PHEN-High PUR-Low QUIN-High QUIN-Low STRZ-Low TAM-High						
DEX-High DIF-Low DOX ERY-High ERY-Low ESTHigh ETH GEN-Low HYD-Low ISSON-Low KETO-Low MET NAL-Low PBARB-High PEG PHEN-High PHEN-Low QUIN-High QUIN-Low STRZ-Low TAM-High						
DIF-Low DOX ERY-High ERY-Low EST-High ETH GEN-Low HYD-Low ISON-Low KETO-Low LPS-Low MET NAL-Low PBARB-High PEG PHEN-High PHEN-Low PUR-High PUR-Low QUIN-High QUIN-Low STRZ-Low TAM-High						
DOX ERY-High ERY-Low EST-High ETH GEN-Low HYD-Low ISON-Low KETO-Low LPS-Low MET NAL-Low PBARB-High PEG PHEN-High PHEN-Low PUR-High PUR-Low QUIN-High QUIN-Low STRZ-Low TAM-High	DIF-Low					
ERY-High ERY-Low EST-High ETH GEN-Low HYD-Low ISON-Low KETO-Low LPS-Low MET NAL-Low PBARB-High PEG PHEN-High PHEN-Low PUR-High PUR-Low QUIN-High QUIN-Low STRZ-Low TAM-High	***					
ERY-Low EST-High ETH GEN-Low HYD-Low ISON-Low KETO-Low LPS-Low MET NAL-Low PBARB-High PEG PHEN-High PHEN-Low PUR-High PUR-Low QUIN-High QUIN-Low STRZ-Low TAM-High						
EST-High ETH GEN-Low HYD-Low ISON-Low KETO-Low LPS-Low MET NAL-Low PBARB-High PEG PHEN-High PHEN-Low PUR-High PUR-Low QUIN-High QUIN-Low STRZ-Low TAM-High						
ETH GEN-LoW HYD-LoW ISON-LoW KETO-LoW LPS-LoW MET NAL-LoW PBARB-High PEG PHEN-High PHEN-LoW PUR-High PUR-LoW QUIN-High QUIN-LoW STRZ-LoW TAM-High						
GEN-Low HYD-Low ISON-Low KETO-Low LPS-Low MET NAL-Low PBARB-High PEG PHEN-High PHEN-Low PUR-High PUR-Low QUIN-High QUIN-Low STRZ-Low TAM-High						
HYD-Low ISON-Low KETO-Low LPS-Low MET NAL-Low PBARB-High PEG PHEN-High PHEN-Low PUR-High PUR-Low QUIN-High QUIN-Low STRZ-Low TAM-High						
SON-Low		-			·	
KETO-Low LPS-Low MET NAL-Low PBARB-High PEG PHEN-High PHEN-Low PUR-High PUR-Low QUIN-High QUIN-Low STRZ-Low TAM-High						
LPS-Low MET MAL-Low MAL-Low PBARB-High PEG PHEN-High PHEN-Low PUR-High PUR-Low QUIN-High QUIN-Low STRZ-Low STRZ-Low	KETO-Low					
MET NAL-Low PBARB-High PEG PHEN-High PHEN-Low PUR-High PUR-Low QUIN-High QUIN-Low STRZ-Low TAM-High					l	
PBARB-High PEG PHEN-High PHEN-Low PUR-High PUR-Low QUIN-High QUIN-Low STRZ-Low TAM-High	MET					
PBARB-High PEG PHEN-High PHEN-Low PUR-High PUR-Low QUIN-High QUIN-Low STRZ-Low TAM-High	NAL-Low					
PEG PHEN-High PHEN-Low PUR-High PUR-Low QUIN-High QUIN-Low STRZ-Low TAM-High	PBARB-High					
PHEN-High PHEN-Low PUR-High PUR-Low QUIN-High QUIN-Low STRZ-Low TAM-High	PEG					
PHEN-Low PUR-High PUR-Low PUR-Low QUIN-High QUIN-Low STRZ-Low TAM-High						
PUR-High PUR-Low PUR-Low PUR-High QUIN-Low PUR-Low STRZ-Low PUR-Low TAM-High PUR-Low						
PUR-Low QUIN-High QUIN-Low STRZ-Low TAM-High						
QUIN-High QUIN-Low STRZ-Low TAM-High			·			
QUIN-Low STRZ-Low TAM-High						
STRZ-Low TAM-High						
TAM-High						7
1 F1	THEO-Low		<u>., </u>			

Table 21 List of Genes, Whose Expression at 72 h Directly Correlates with Liver Inflammation at 72h, Ranked by Pearson Correlation Coefficien

Gene	Correlation
	Coefficient
Osteoactivin	0.780
Calpactin I heavy chain	0.719
lgE binding protein	0.686
Thymosin beta-10	0.672
Stathmin	0.666
Alpha-tubulin	0.643
Gamma-actin, cytoplasmic	0.636
14-3-3 zeta	0.630
Phase-1 RCT-179	0.630
High affinity IgE receptor gamma chain	2 227
(FcERIgamma)	0.627
Uncoupling protein 2	0.626
Voltage-dependent anion channel 2 (Vdac2)	0.624
Phase-1 RCT-154	0.622
Melanoma-associated antigen ME491	0.619
Phase-1 RCT-121	0.612
Phase-1 RCT-138	0.600
Phase-1 RCT-192	0.597
Phase-1 RCT-68	0.587
Phase-1 RCT-24	0.574
Beta-tubulin, class I	0.562
Beta-actin	0.550
Beta-actin, sequence 2	0.549
60S ribosomal protein L6	0.549
Cofilin	0.549
Pyruvate kinase, muscle	0.547
Phase-1 RCT-146	0.514
Phase-1 RCT-207	0.513
Organic cation transporter 3	0.506
Phase-1 RCT-293	0.504
Phase-1 RCT-12	0.502
Phase-1 RCT-211	0.502
Annexin V	0.499
Calpain 2	0.490
Multidrug resistant protein-1	0.489
Multidrug resistant protein-2	0.486
Cathepsin S	0.484
Phase-1 RCT-144	0.484
Cyclin D1	0.479
60S ribosomal protein L6 (alternate clone 1)	0.479
Biliverdin reductase	0.477

Nucleoside diphosphate kinase beta isoform	0.477
Collagen type II	0.467
Cyclin G	0.458
Cathepsin B	0.454
Phase-1 RCT-59	0.449
Ribosomal protein S8	0.445
Proliferating cell nuclear antigen gene	0.442
Phase-1 RCT-109	0.440
Hypoxanthine-guanine	
phosphoribosyltransferase	0.438
Tissue inhibitor of metalloproteinases-1	0.435
Poly(ADP-ribose) polymerase	0.434
Ribosomal protein S9	0.433
Tissue plasminogen activator	0.419
Adenine nucleotide translocator 1	0.415
Alpha-prothymosin	0.409
Ribosomal protein S17	0.407
Heme oxygenase	0.404
p55CDC	0.403
ID-1	0.403
Zinc finger protein	0.401

Table 22 List of Genes, Whose Expression at 72 h Inversely Correlates with Liver Inflammation at 72h, Ranked by Spearman Correlation Coefficient

Gene	Correlation
Gene	Coefficient
Phase-1 RCT-181	-0.250
Apolipoprotein C1	-0.251
Hepatic lipase	-0.253
Tryptophan hydroxylase	-0.253
Tissue factor	-0.254
Monoamine oxidase B	-0.255
Choline kinase	-0.256
CDK108	-0.257
Phase-1 RCT-88	-0.259
Cholesterol esterase	-0.260
Vesicular monoamine transporter (VMAT)	-0.260
Glucokinase	-0.261
Interferon inducible protein 10	-0.264
Cytochrome P450 2D18	-0.264
Aldehyde dehydrogenase 2	-0.265
Phase-1 RCT-93	-0.265
Connexin-32	-0.267
Phase-1 RCT-178	-0.267
Phase-1 RCT-239	-0.268
Phase-1 RCT-289	-0.270
C-reactive protein	-0.271
Urinary protein 2 precursor	-0.273
Matrin F/G	-0.274
L-gulono-gamma-lactone oxidase	-0.276
Epidermal growth factor	-0.278
Tyrosine hydroxylase	-0.282
Aquaporin-3 (AQP3)	-0.283
Gap junction membrane channel protein beta 1 (Gjb1)	-0.283
Phase-1 RCT-38	-0.287
NADH-cytochrome b5 reductase	-0.287
Phase-1 RCT-256	-0.288
Phase-1 RCT-36	-0.292
Phase-1 RCT-271	-0.293
Acetylcholine receptor epsilon	-0.293
Phase-1 RCT-73	-0.293
Phase-1 RCT-184	-0.295
Contrapsin-like protease inhibitor (CPI-21)	-0.297
Phase-1 RCT-280	-0.299
Presenilin-1	-0.300
BRCA1	-0.303
Phase-1 RCT-219	-0.305

Cytochrome P450 2A3	-0.306
Phase-1 RCT-161	-0.306
Alpha 1 - inhibitor III	-0.307
Cytochrome P450 3A1	-0.307
Carbonic anhydrase III	-0.308
Aryl sulfotransferase	-0.308
Acetyl-CoA carboxylase	-0.310
Insulin-like growth factor I	-0.313
Phase-1 RCT-67	-0.313
Protein tyrosine phosphatase, receptor type, D	-0.314
Phase-1 RCT-285	-0.315
Phase-1 RCT-123	-0.316
Phase-1 RCT-98	-0.317
Arginosuccinate synthetase 1	-0.319
Phase-1 RCT-83	-0.319
Cytochrome P450 2C11	-0.320
Phase-1 RCT-149	-0.320
Phase-1 RCT-227	-0.325
Phase-1 RCT-102	-0.330
Phase-1 RCT-48	-0.330
Phase-1 RCT-29	-0.331
Betaine homocysteine methyltransferase (BHMT)	-0.335
Stearyi-CoA desaturase, liver	-0.337
Phase-1 RCT-292	-0.337
Apolipoprotein CIII	-0.339
Fatty acid synthase	-0.340
Phase-1 RCT-164	-0.354
Phase-1 RCT-81	-0.354
JNK1 stress activated protein kinase	-0.355
Phase-1 RCT-260	-0.355
Equilbrative nitrobenzylthioinosine-sensitive nucleoside transporter	-0.361
Phase-1 RCT-290	-0.361
Insulin-like growth factor I, exon 6	-0.361
Phase-1 RCT-117	-0.363
N-hydroxy-2-acetylaminofluorene sulfotransferase (ST1C1)	-0.363
Glycine methyltransferase	-0.370
Phase-1 RCT-107	-0.378
Apolipoprotein All	-0.381
Dynamin-1 (D100)	-0.391
Alpha-2-microglobulin	-0.395
Phase-1 RCT-78	-0.402

Table 23 List of genes whose expression at 72 hours is predictive of liver inflammation at 72 hours

Gene	(No of
Oakoogakisin	Occurrences)
Osteoactivin	5
Phase-1 RCT-211	5
Calpactin I heavy chain	5
Phase-1 RCT-179	5
Gamma-actin, cytoplasmic	5
Cofilin	4
Stathmin	4
60S ribosomal protein L6	4
Voltage-dependent anion channel 2 (Vdac2)	4
Phase-1 RCT-192	4
Adenine nucleotide translocator 1	4
Thymosin beta-10	4
High affinity IgE receptor gamma chain (FcERIgamma)	4
Uncoupling protein 2	4
lgE binding protein	4
Alpha-tubulin	4
Phase-1 RCT-12	4
Ribosomal protein S9	4
Phase-1 RCT-121	4
14-3-3 zeta	4
Beta-tubulin, class I	4
Phase-1 RCT-154	4
Phase-1 RCT-107	3
Proliferating cell nuclear antigen gene	3
Phase-1 RCT-59	3
Beta-actin, sequence 2	3
Phase-1 RCT-109	3
Carbonic anhydrase III	3
Phase-1 RCT-78	3 '
Collagen type II	3
Cyclin D1	3
Phase-1 RCT-138	3
Alpha-prothymosin	3
Calpain 2	3
Cathepsin B	3
Phase-1 RCT-24	3
Melanoma-associated antigen ME491	3
Phase-1 RCT-68	3
Cyclin G	3
Tissue inhibitor of metalloproteinases-1	3

Heme oxygenase 3
Organic cation transporter 3 3 Biliverdin reductase 3 Phase-1 RCT-293 3 Phase-1 RCT-173 3 Betaine homocysteine methyltransferase (BHMT) 2 Cytochrome P450 2D18 2 Cytochrome P450 2C11 2 Phase-1 RCT-290 2 Pyruvate kinase, muscle 2 Apolipoprotein All 2 Connexin-32 2 Glycine methyltransferase 2 Insulin-like growth factor I 2 Zinc finger protein 2
Biliverdin reductase 3 Phase-1 RCT-293 3 Phase-1 RCT-173 3 Betaine homocysteine methyltransferase (BHMT) 2 Cytochrome P450 2D18 2 Cytochrome P450 2C11 2 Phase-1 RCT-290 2 Pyruvate kinase, muscle 2 Apolipoprotein AII 2 Connexin-32 2 Glycine methyltransferase 2 Insulin-like growth factor I 2 Zinc finger protein 2
Phase-1 RCT-293 3 Phase-1 RCT-173 3 Betaine homocysteine methyltransferase (BHMT) 2 Cytochrome P450 2D18 2 Cytochrome P450 2C11 2 Phase-1 RCT-290 2 Pyruvate kinase, muscle 2 Apolipoprotein All 2 Connexin-32 2 Glycine methyltransferase 2 Insulin-like growth factor I 2 Zinc finger protein 2
Phase-1 RCT-173 3 Betaine homocysteine methyltransferase (BHMT) 2 Cytochrome P450 2D18 2 Cytochrome P450 2C11 2 Phase-1 RCT-290 2 Pyruvate kinase, muscle 2 Apolipoprotein All 2 Connexin-32 2 Glycine methyltransferase 2 Insulin-like growth factor I 2 Zinc finger protein 2
Betaine homocysteine methyltransferase (BHMT) 2 Cytochrome P450 2D18 2 Cytochrome P450 2C11 2 Phase-1 RCT-290 2 Pyruvate kinase, muscle 2 Apolipoprotein All 2 Connexin-32 2 Glycine methyltransferase 2 Insulin-like growth factor I 2 Zinc finger protein 2
Cytochrome P450 2D18 2 Cytochrome P450 2C11 2 Phase-1 RCT-290 2 Pyruvate kinase, muscle 2 Apolipoprotein All 2 Connexin-32 2 Glycine methyltransferase 2 Insulin-like growth factor I 2 Zinc finger protein 2
Cytochrome P450 2C11 2 Phase-1 RCT-290 2 Pyruvate kinase, muscle 2 Apolipoprotein AII 2 Connexin-32 2 Glycine methyltransferase 2 Insulin-like growth factor I 2 Zinc finger protein 2
Phase-1 RCT-290 2 Pyruvate kinase, muscle 2 Apolipoprotein AII 2 Connexin-32 2 Glycine methyltransferase 2 Insulin-like growth factor I 2 Zinc finger protein 2
Pyruvate kinase, muscle 2 Apolipoprotein All 2 Connexin-32 2 Glycine methyltransferase 2 Insulin-like growth factor I 2 Zinc finger protein 2
Apolipoprotein AII 2 Connexin-32 2 Giycine methyltransferase 2 Insulin-like growth factor I 2 Zinc finger protein 2
Connexin-32 2 Glycine methyltransferase 2 Insulin-like growth factor I 2 Zinc finger protein 2
Glycine methyltransferase 2 Insulin-like growth factor I 2 Zinc finger protein 2
Insulin-like growth factor I 2 Zinc finger protein 2
Zinc finger protein 2
Zinc finger protein 2
Hypoxanthine-guanine phosphoribosyltransferase 2
ID-1 2
Ribosomal protein S8 2
Nucleoside diphosphate kinase beta isoform 2
60S ribosomal protein L6 (alternate clone 1) 2
Beta-actin 2
Cathepsin S 2
Annexin V 2
Phase-1 RCT-276 2
Tyrosine aminotransferase 2
Phase-1 RCT-161 2
Multidrug resistant protein-2
DNA polymerase beta 2
Ubiquitin conjugating enzyme (RAD 6 homologue) 2
Ribosomal protein L13A 2
Phase-1 RCT-144 2
11000
c-H-ras 2 Vesicular monoamine transporter (VMAT) 2
Voologiei monograme van
. 11000
F1896-11(01/200
Neuronal cell adhesion molecule (NrCAM) 2 Hepatocyte growth factor receptor 2
110001100)
04,00
Phase-1 RCT-129 2
Phase-1 RCT-146 2
Phase-1 RCT-292 1
L-gulono-gamma-lactone oxidase 1
Phase-1 RCT-256
Urinary protein 2 precursor 1
Aryl sulfotransferase 1

Phase-1 RCT-185 Phase-1 RCT-34	1
	1 1 1
4 707 04	
Phase-1 RCT-31	1
Complement factor I (CFI)	11
Slutathione peroxidase	11
Histidine-rich glycoprotein	11
Carbonic anhydrase III, sequence 2	11
Phase-1 RCT-92	11
Fransitional endoplasmic reticulum ATPase	1
Phase-1 RCT-88	11
Phase-1 RCT-296	1
Glutathione S-transferase theta-1	11
Phase-1 RCT-168	11
Phase-1 RCT-182	11
JNK1 stress activated protein kinase	1
Phase-1 RCT-81	1
Phase-1 RCT-33	11
Phase-1 RCT-178	1
Apolipoprotein CIII	11
Phase-1 RCT-98	11
NADH-cytochrome b5 reductase	11
Alpha 1 - inhibitor III	11
Phase-1 RCT-233	11
Paraoxonase 1	11
Presenilin-1	11
Apolipoprotein C1	11
Cytochrome P450 2C23	11
Phase-1 RCT-227	11
Hepatic lipase	1
Phase-1 RCT-164	1
Insulin-like growth factor I, exon 6	1
N-hydroxy-2-acetylaminofluorene sulfotransferase	
(ST1C1)	1
Dynamin-1 (D100)	11
Phase-1 RCT-230	11
Phase-1 RCT-74	11
Phase-1 RCT-158	11
Deoxycytidine kinase	1
Dopamine receptor D2	11
Phase-1 RCT-51	1
Four repeat ion channel	11
Adrenomedullin	11
Phase-1 RCT-94	11
Sarcoplasmic reticulum calcium ATPase	11
	11
	1
	11
Phase-1 RCT-70	1
Phase-1 RCT-79 Phase-1 RCT-252 Phase-1 RCT-151	1 1

	T
Phase-1 RCT-150	11
25-hydroxyvitamin D3-1 alpha-hydroxylase	1
Phase-1 RCT-119	11
Peroxisomal 3-ketoacyl-CoA thiolase 2	1
Superoxide dismutase Mn	11
Phase-1 RCT-115	11
Alpha-1 microglobulin/bikunin precursor (Ambp)	1
Phase-1 RCT-18	11
Maspin	11
Decorin	11
Retinoid X receptor alpha	11
Cellular nucleic acid binding protein (CNBP)	11
NADPH cytochrome P450 oxidoreductase	1
Malic enzyme	1
Caspase 1	1
Cystatin C	11
p55CDC	11
Poly(ADP-ribose) polymerase	1
Tissue plasminogen activator	1
Multidrug resistant protein-1	1
Phase-1 RCT-207	11
Phase-1 RCT-181	11
Gap junction membrane channel protein beta 1 (Gjb1)	1
Aquaporin-3 (AQP3)	1
Myelin basic protein	11
Phase-1 RCT-213	.1
Phase-1 RCT-156	11
Proteasome activator 28 alpha	11

Table 24 Comparison of Predictivity for True Liver Inflammation Classification and Random Classification Using Combo Gene Sets and 72h data

	Overall Accuracy**													
Gene List*	Corre	ect (Classific	atio	on		Rar	ido	m Classif	ica	tion	on		
GOILG EIGE	Mean		Min	-	Max		Mean	\prod	Min.	-	Max.	L		
Combo All	0.752	10	0.625	-	0.847)		0.368	10	0.250	-	0.459			
Combo 5	0.672	17	0.589	-	0.722		0.363		0.295	-	0.419	1)		
Combo 4	0.793	17	0.694	-	0.917)		0.344	\mathbb{I}	0.222	-	0.458	1		
Combo 3	0.793	17	0.639	-	0.905)		0.333	1	0.250	-	0.392			
Combo 2	0.708	17	0.597	-	0.819		0.349		0.288	Ŀ	0.473	Ţ		
Combo 1	0.675	17	0.608	1-	0.708		0.377	10	0.208]-	0.466	Ţ		

Table 25 RCT genes (ESTs) Predictive for Liver Inflammation: Best Homology Matches

Gene Name	Homology
Phase-1 RC1-10	Rattus norvegicus methylmalonate semialdehyde dehydrogenase gene (Mmsdh)
Phase-1 RCT-102	Mouse pentylenetetrazol-related mRNA PTZ-17 (3'UTR of E3.1)
Phase-1 RCT-103	no significant homology found
	no significant homology found
Phase-1 RCT-108	no significant homology found
Phase-1 RCT-109	Rattus norvegicus nesprin-1 mRNA
Phase-1 RCT-111	Mus musculus B lymphoid kinase (Blk)
Phase-1 RCT-112	no significant homology found
Phase-1 RCT-113	no elemificant homology found
Phase-1 RCT-114	Mus musculus, glypican 4, clone MGC:11506 IMAGE:3967797, mRNA, complete cds
Phase-1 RCT-115	no significant homology found
Phase-1 RCT-117	no significant homology found
Phase-1 RCT-119	no significant homology found
Phase-1 RCT-12	no significant homology found
Phase-1 RCT-121	no significant homology found
Phase-1 RCT-123	no significant homology found
Phase-1 RCT-127	no significant homology found
Phase-1 RCT-128	Mus musculus angiopoletin-related protein 3 (Angptl3)
Phase-1 RCT-129	Mus musculus Nedd4 WW binding protein 4 (N4wbp4-pending), mRNA
Phase-1 RCT-13	Mus musculus 0 day neonate skin cDNA, RIKEN full-length enriched library, clone:4632417K18, full insert sequence
Phase-1 RCT-136	Mus musculus RIKEN cDNA 3010027G13 gene (3010027G13Rik), mRNA
Phase-1 RCT-137	Mus musculus adult male tongue cDNA
Phase-1 RCT-138	
Phase-1 RCT-140	
Phase-1 RCT-141	Mus musculus proteoglycan 3 (megakaryocyte stimulating factor, articular superficial zone protein) (Prg4)

	Mus musculus 18 days embryo cDNA, RIKEN full-length enriched library,
1988-1 KU I-144 I	-1
nase-1 RC1-143 (Homo sapiens NADH dehydrogenase (ubiquinone) Fe-S protein 8 (23kD) (NADH-coenzyme Q reductase) (NDUFS8)
hase-1 RCT-144	Mus musculus, similar to nucleolar protein (KKE/D repeat), clone IMAGE:3491448, mRNA, partial cds.
hase-1 RCT-145	Mus musculus 10 day old male pancreas cDNA, RIKEN full-length enriched library, clone:1810014B19, full insert sequence
hase-1 RCT-146	Mus musculus 8 days embryo cDNA, RIKEN full-length enriched library, clone:5730458E20
Phase-1 RCT-148	Mus musculus adult male kidney cDNA, RIKEN full-length enriched library, clone:0610010B16
Phase-1 RCT-15	Mus musculus ubiquitin conjugating enzyme 7 mRNA, complete cds
hase-1 RCT-150	Mus musculus SIR2L3 isoform B (Sir2L3) mRNA, complete cds;alternatively spliced
Phase-1 RCT-151	Mus musculus, Similar to sphingomyelin phosphodiesterase 1, acid lysosomal, clone MGC:11522 IMAGE:3964394
Phase-1 RCT-152	Mus musculus, eukaryotic translation elongation factor 1 beta 2, clone MGC:6763 IMAGE:3600850, mRNA, complete cds.
Phase-1 RCT-154	Mus musculus vacuolar ATPase subunit D (Atp6m) mRNA, complete cd
Phase-1 RCT-156	no significant homology found
Phase-1 RCT-158	Rattus norvegicus cyclin-dependent kinase inhibitor 1B
Phase-1 RCT-161	Mus musculus adult male spleen cDNA, RIKEN full-length enriched library, clone:0910001D19
Phase-1 RCT-164	Mus musculus adult male testis cDNA, RIKEN full-length efficied library, clone:4932443D16
Phase-1 RCT-166	1
Phase-1 RCT-168	M.musculus mRNA for low density lipoprotein receptor, ACCESSION X64414 S51850
Phase-1 RCT-169	Mus musculus, small inducible cytokine B subfamily (Cys-X-Cys),
Phase-1 RCT-173	Mus musculus NADP+-specific isocitrate denydrogenase mittal, complete cds; nuclear gene for mitochondrial product
Phase-1 RCT-174	Homo sapiens normal mucosa of esophagus specific 1 (NMES1) mRN/complete cds; nuclear gene for mitochondrial product
Phase-1 RCT-17	
Phase-1 RCT-17	Mus musculus, thioether S-methyltransferase, clone MGC:19191 IMAGE:4236077, mRNA, complete cds

Phase-1 RCT-189 Phase-1 RCT-180 Phase-1 RCT-180 Phase-1 RCT-180 Phase-1 RCT-181 Mus musculus B-cell receptor-associated protein 37 (Bcap37 Phase-1 RCT-182 Phase-1 RCT-182 Phase-1 RCT-184 Phase-1 RCT-185 Phase-1 RCT-185 Phase-1 RCT-186 Phase-1 RCT-186 Phase-1 RCT-187 Phase-1 RCT-187 Phase-1 RCT-189 Phase-1 RCT-189 Phase-1 RCT-189 Phase-1 RCT-189 Phase-1 RCT-191 Phase-1 RCT-191 Phase-1 RCT-192 Phase-1 RCT-195 Phase-1 RCT-196 Phase-1 RCT-197 Phase-1 RCT-197 Phase-1 RCT-197 Phase-1 RCT-204 Phase-1 RCT-204 Phase-1 RCT-205 Phase-1 RCT-207 Phase-1 RCT-208 Phase-1 RCT-209 Phase-1 RCT-209 Phase-1 RCT-209 Phase-1 RCT-209 Phase-1 RCT-209 Phase-1 RCT-201 Phase-1 RCT-214 Phase-1 RCT-215 Phase-1 RCT-215 Phase-1 RCT-215 Phase-1 RCT-216 Phase-1 RCT-217 Phase-1 RCT-217 Phase-1 RCT-218 Phase-1 RCT-218 Phase-1 RCT-219 Phase-1 RCT-219 Phase-1 RCT-219 Phase-1 RCT-219 Phase-1 RCT-219 Phase-1 RCT-210 Pha		
Phase-1 RCT-180 Mus musculus B-cell receptor-associated protein 37 (Bcap37) Phase-1 RCT-181 Mus musculus adult male testis cDNA Phase-1 RCT-182 Rattus norvegicus gib mRNA for diacetyl/L-xylulose reductase Phase-1 RCT-184 no significant homology found Phase-1 RCT-185 no significant homology found Phase-1 RCT-189 Rattus norvegicus eukaryotic translation initiation factor 4E (Eif4e), mRNA Phase-1 RCT-189 Mus musculus, Similar to proteasome (prosome, macropain) 26S subunit, non-ATPase, 3, clone MGC:6405 IMAGE:3586427, mRNA, complete cds Mus musculus 18 days embryo cDNA, RiKEN full-length enriched library, clone:1110033J19 Phase-1 RCT-195 Mus musculus, Similar to protein kinase C substrate 80K-H, clone MGC:13908 IMAGE:4008182, mRNA, complete cds Homolous to Mus musculus 12 days embryo head cDNA, RiKEN full-length enriched library, clone:3010001M15 Phase-1 RCT-197 Rattus norvegicus Protein kinase, interferon-inducible double stranded RNA dependent (Prkr), mRNA Mus musculus, Similar to hypothetical protein AB030201, clone MGC:18837 IMAGE:4211629, mRNA, complete cds Mouse DNA sequence from clone RP23-138F20 on chromosome 13, complete sequence [Mus musculus] Phase-1 RCT-204 Nus musculus Ran binding protein 5 mRNA, partial cds Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930583H14, full insert sequence Mus musculus adult male kestis cDNA, RIKEN full-length enriched library, clone:0910099C22 Mus musculus adult male kestis cDNA, RIKEN full-length enriched library, clone:0910099C22 Mus musculus adult male kestis cDNA, RIKEN full-length enriched library, clone:0910099C22 Mus musculus adult male kestis cDNA, RIKEN full-length enriched library, clone:0910099C22 Mus musculus adult male kestis cDNA, RIKEN full-length enriched library, clone:0910099C22 Mus musculus adult male kestis cDNA, RIKEN full-length enriched library, clone:0910099C22 Mus musculus adult male kestis cDNA, RIKEN full-length enriched library, clone:0910099C22 Mus musculus putative NAD(P)H steroid dehydrogenase mRNA Phase-1 RC	Phase-1 RCT-179	Rat nucleolar protein B23.2 mRNA
Phase-1 RCT-181 Mus musculus adult male testis cDNA Phase-1 RCT-182 Rattus norvegicus gib mRNA for diacetyl/L-xylulose reductase Phase-1 RCT-184 no significant homology found Phase-1 RCT-185 no significant homology found Rattus norvegicus eukaryotic translation initiation factor 4E (Eif4e), mRNA Phase-1 RCT-189 Mus musculus, Similar to proteasome (prosome, macropain) 26S subunit, non-ATPase, 3, clone MGC:6405 IMAGE:3586427, mRNA, complete cds Mus musculus 18 days embryo cDNA, RiKEN full-length enriched library, clone:1110033J19 Phase-1 RCT-192 Mus musculus, Similar to protein kinase C substrate 80K-H, clone MGC:13908 IMAGE:4008182, mRNA, complete cds Homolous to Mus musculus 12 days embryo head cDNA, RiKEN full-length enriched library, clone:3010001M15 Phase-1 RCT-197 Rattus norvegicus Protein kinase, interferon-inducible double stranded RNA dependent (Prkr), mRNA Mus musculus, Similar to hypothetical protein AB030201, clone MGC:18837 IMAGE:4211629, mRNA, complete cds Mouse DNA sequence from clone RP23-138F20 on chromosome 13, complete sequence [Mus musculus] Phase-1 RCT-205 no significant homology found Phase-1 RCT-207 Mus musculus Ran binding protein 5 mRNA, partial cds Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:94930583H14, full insert sequence Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:010009C22 Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:010009C22 Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:010009C22 Mus musculus nuclear localization signal protein absent in velo-cardio-facial patients (NVC) Phase-1 RCT-214 Mus musculus RAB/Rip protein mRNA Phase-1 RCT-215 Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds	· · · · • · · · ·	
Phase-1 RCT-181 Mus musculus adult male testis cDNA Phase-1 RCT-182 Rattus norvegicus gib mRNA for diacetyl/L-xylulose reductase Phase-1 RCT-184 no significant homology found Phase-1 RCT-185 no significant homology found Rattus norvegicus eukaryotic translation initiation factor 4E (Eif4e), mRNA Phase-1 RCT-189 Mus musculus, Similar to proteasome (prosome, macropain) 26S subunit, non-ATPase, 3, clone MGC:6405 IMAGE:3586427, mRNA, complete cds Mus musculus 18 days embryo cDNA, RIKEN full-length enriched library, clone:1110033J19 Phase-1 RCT-192 Mus musculus, Similar to protein kinase C substrate 80K-H, clone MGC:13908 IMAGE:4008182, mRNA, complete cds Homolous to Mus musculus 12 days embryo head cDNA, RIKEN full-length enriched library, clone:3010001M15 Phase-1 RCT-197 Rattus norvegicus Protein kinase, interferon-inducible double stranded RNA dependent (Prkr), mRNA Mus musculus, Similar to hypothetical protein AB030201, clone MGC:18837 IMAGE:4211629, mRNA, complete cds Mouse DNA sequence from clone RP23-138F20 on chromosome 13, complete sequence [Mus musculus] Phase-1 RCT-205 no significant homology found Phase-1 RCT-207 Mus musculus Ran binding protein 5 mRNA, partial cds Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930583H14, full insert sequence Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:010009C22 Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:010009C22 Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:010009C22 Mus musculus RAB/Rip protein mRNA Phase-1 RCT-214 Mus musculus RAB/Rip protein mRNA Phase-1 RCT-215 Mus musculus RAB/Rip protein mRNA Phase-1 RCT-218 Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds	Phase-1 RCT-180	Mus musculus B-cell receptor-associated protein 37 (Bcap37
Phase-1 RCT-182 Phase-1 RCT-184 Phase-1 RCT-185 Phase-1 RCT-185 Phase-1 RCT-185 Phase-1 RCT-186 Phase-1 RCT-189 Phase-1 RCT-189 Phase-1 RCT-189 Phase-1 RCT-189 Phase-1 RCT-191 Phase-1 RCT-191 Phase-1 RCT-192 Phase-1 RCT-192 Phase-1 RCT-195 Phase-1 RCT-195 Phase-1 RCT-196 Phase-1 RCT-197 Phase-1 RCT-197 Phase-1 RCT-198 Phase-1 RCT-202 Phase-1 RCT-202 Phase-1 RCT-204 Phase-1 RCT-204 Phase-1 RCT-205 Phase-1 RCT-205 Phase-1 RCT-207 Phase-1 RCT-207 Phase-1 RCT-208 Phase-1 RCT-208 Phase-1 RCT-209 Phase-1 RCT-209 Phase-1 RCT-209 Phase-1 RCT-209 Phase-1 RCT-209 Phase-1 RCT-216 Phase-1 RCT-217 Phase-1 RCT-217 Phase-1 RCT-218 Phase-1 RCT-218 Phase-1 RCT-219 Phase-1 RCT-219 Phase-1 RCT-219 Phase-1 RCT-210 Phase-1 RCT-211 Phase-1 RCT-210 Phase-1 RCT-212 Phase-1 RCT-213 Phase-1 RCT-214 Phase-1 RCT-215 Phase-1 RCT-215 Phase-1 RCT-216 Phase-1 RCT-217 Phase-1 RCT-217 Phase-1 RCT-218 Phase-1 RCT-218 Phase-1 RCT-219 Phase-1 RCT-219 Phase-1 RCT-218 Phase-1 RCT-219 Phase-1 RCT-219 Phase-1 RCT-210 Phase-1 RCT-210 Phase-1 RCT-210 Phase-1 RCT-211 Phase-1 RCT-210 Phase-1 RCT-211 Phase-1 RCT-211 Phase-1 RCT-215 Phase-1 RCT-215 Phase-1 RCT-216 Phase-1 RCT-217 Phase-1 RCT-217 Phase-1 RCT-218 Phase-1 RCT-218 Phase-1 RCT-219 Phase-1 RCT-219 Phase-1 RCT-219 Phase-1 RCT-219 Phase-1 RCT-219 Phase-1 RCT-219 Phase-1 RCT-210 Phase-1 RCT-210 Phase-1 RCT-210 Phase-1 RCT-211 Phase-1 RCT-210 Phase-1 RCT-211 Phase-1 RCT-211 Phase-1 RCT-212 Phase-1 RCT-215 Phase-1 RCT-216 Phase-1 RCT-217 Phase-1 RCT-217 Phase-1 RCT-218 Phase-1 RCT-218 Phase-1 RCT-219		Mus musculus adult male testis cDNA
Phase-1 RCT-185 no significant homology found Rattus norvegicus eukaryotic translation initiation factor 4E (Eif4e), mRNA Mus musculus, Similar to proteasome (prosome, macropain) 26S subunit, non-ATPase, 3, cione MGC:6405 IMAGE:3586427, mRNA, complete cds Mus musculus 18 days embryo cDNA, RIKEN full-length enriched library, clone:1110033J19 Phase-1 RCT-195 Mus musculus, Similar to protein kinase C substrate 80K-H, clone MGC:13908 IMAGE:4008182, mRNA, complete cds Homolous to Mus musculus 12 days embryo head cDNA, RIKEN full-length enriched library, clone:3010001M15 Phase-1 RCT-197 Rattus norvegicus Protein kinase, interferon-inducible double stranded RNA dependent (Prkr), mRNA Phase-1 RCT-202 Mus musculus, Similar to hypothetical protein AB030201, clone MGC:18837 IMAGE:4211629, mRNA, complete cds Mouse DNA sequence from clone RP23-138F20 on chromosome 13, complete sequence [Mus musculus] Phase-1 RCT-205 Phase-1 RCT-207 Phase-1 RCT-209 Phase-1 RCT-210 Phase-1 RCT-211 Phase-1 RCT-211 Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:0610009C22 Mus musculus adult male kidney cDNA, RIKEN full-length enriched library, clone:0610009C22 Mus musculus adult male kidney cDNA, RIKEN full-length enriched library, clone:0610009C22 Mus musculus adult male kidney cDNA, RIKEN full-length enriched library, clone:0610009C22 Mus musculus adult male kidney cDNA, RIKEN full-length enriched library, clone:0610009C22 Mus musculus adult male kidney cDNA, RIKEN full-length enriched library, clone:0610009C22 Mus musculus putative NAD(P)H steroid dehydrogenase mRNA Phase-1 RCT-215 Mus musculus RAB/Rip protein mRNA Phase-1 RCT-215 Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds	Phase-1 RCT-182	Rattus norvegicus glb mRNA for diacetyl/L-xylulose reductase
Rattus norvegicus eukaryotic translation initiation factor 4E (Eif4e), mRNA Mus musculus, Similar to proteasome (prosome, macropain) 26S subunit, non-ATPase, 3, clone MGC:6405 IMAGE:3586427, mRNA, complete cds Mus musculus 18 days embryo cDNA, RIKEN full-length enriched library, clone:1110033J19 Phase-1 RCT-192 Mus musculus, Similar to protein kinase C substrate 80K-H, clone MGC:13908 IMAGE:4008182, mRNA, complete cds Homolous to Mus musculus 12 days embryo head cDNA, RIKEN full-length enriched library, clone:3010001M15 Phase-1 RCT-197 Rattus norvegicus Protein kinase, interferon-inducible double stranded RNA dependent (Prkr), mRNA Mus musculus, Similar to hypothetical protein AB030201, clone MGC:18837 IMAGE:4211629, mRNA, complete cds Mouse DNA sequence from clone RP23-138F20 on chromosome 13, complete sequence [Mus musculus] Phase-1 RCT-205 Phase-1 RCT-207 Mus musculus Ran binding protein 5 mRNA, partial cds Mus musculus Ran binding protein 5 mRNA, partial cds Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930583H14, full insert sequence Mus musculus adult male kidney cDNA, RIKEN full-length enriched library, clone:610009522 Mus musculus nuclear localization signal protein absent in velo-cardiofacial patients (NIvcf) Phase-1 RCT-213 Homo sapiens pM5 protein (PM5), mRNA Phase-1 RCT-214 Mus musculus RABI/Rip protein mRNA Phase-1 RCT-215 Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds	Phase-1 RCT-184	no significant homology found
Phase-1 RCT-191 Mus musculus, Similar to proteasome (prosome, macropain) 26S subunit, non-ATPase, 3, clone MGC:6405 IMAGE:3586427, mRNA, complete cds Mus musculus 18 days embryo cDNA, RIKEN full-length enriched library, clone:1110033J19 Phase-1 RCT-195 Mus musculus, Similar to protein kinase C substrate 80K-H, clone MGC:13908 IMAGE:4008182, mRNA, complete cds Homolous to Mus musculus 12 days embryo head cDNA, RIKEN full-length enriched library, clone:3010001M15 Phase-1 RCT-196 Rattus norvegicus Protein kinase, interferon-inducible double stranded RNA dependent (Prkr), mRNA Mus musculus, Similar to hypothetical protein AB030201, clone MGC:18837 IMAGE:4211629, mRNA, complete cds Mouse DNA sequence from clone RP23-138F20 on chromosome 13, complete sequence [Mus musculus] Phase-1 RCT-205 Phase-1 RCT-207 Phase-1 RCT-207 Phase-1 RCT-208 Mus musculus Ran binding protein 5 mRNA, partial cds Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930583H14, full insert sequence Mus musculus adult male kidney cDNA, RIKEN full-length enriched library, clone:061009C22 Mus musculus nuclear localization signal protein absent in velo-cardiofacial patients (Nivcf) Phase-1 RCT-214 Phase-1 RCT-215 Phase-1 RCT-215 Phase-1 RCT-216 Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds	Phase-1 RCT-185	
Phase-1 RCT-191 subunit, non-ATPase, 3, clone MGC:6405 IMAGE:3580427, mixiox, complete cds Mus musculus 18 days embryo cDNA, RIKEN full-length enriched library, clone:1110033J19 Mus musculus, Similar to protein kinase C substrate 80K-H, clone MGC:13908 IMAGE:4008182, mRNA, complete cds Phase-1 RCT-195 Homolous to Mus musculus 12 days embryo head cDNA, RIKEN full-length enriched library, clone:3010001M15 Phase-1 RCT-197 Rattus norvegicus Protein kinase, interferon-inducible double stranded RNA dependent (Prkr), mRNA Phase-1 RCT-202 Mus musculus, Similar to hypothetical protein AB030201, clone MGC:18837 IMAGE:4211629, mRNA, complete cds Mouse DNA sequence from clone RP23-138F20 on chromosome 13, complete sequence [Mus musculus] Phase-1 RCT-204 no significant homology found Phase-1 RCT-205 mus musculus Ran binding protein 5 mRNA, partial cds Phase-1 RCT-207 Mus musculus Ran binding protein 5 mRNA, partial cds Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930583H14, full insert sequence Mus musculus adult male kidney cDNA, RIKEN full-length enriched library, clone:0610009C22 Mus musculus uclear localization signal protein absent in velo-cardiofacial patients (Nlvcf) Phase-1 RCT-213 Homo sapiens pM5 protein (PM5), mRNA Phase-1 RCT-214 Mus musculus RAB/Rip protein mRNA Phase-1 RCT-215 Mus musculus RAB/Rip protein mRNA Phase-1 RCT-219 Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds	Phase-1 RCT-189	mRNA
Phase-1 RCT-192 Mus musculus, Similar to protein kinase C substrate 80K-H, clone MGC:13908 IMAGE:4008182, mRNA, complete cds	Phase-1 RCT-191	subunit, non-ATPase, 3, clone MGC:6405 IMAGE:3586427, mRNA,
Phase-1 RCT-195 MGC:13908 IMAGE:4008182, mRNA, complete cds Homolous to Mus musculus 12 days embryo head cDNA, RIKEN full-length enriched library, clone:3010001M15 Phase-1 RCT-197 Rattus norvegicus Protein kinase, interferon-inducible double stranded RNA dependent (Prkr), mRNA Phase-1 RCT-202 Mus musculus, Similar to hypothetical protein AB030201, clone MGC:18837 IMAGE:4211629, mRNA, complete cds Mouse DNA sequence from clone RP23-138F20 on chromosome 13, complete sequence [Mus musculus] Phase-1 RCT-205 no significant homology found Phase-1 RCT-207 Mus musculus Ran binding protein 5 mRNA, partial cds Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930583H14, full insert sequence Phase-1 RCT-211 Mus musculus adult male kidney cDNA, RIKEN full-length enriched library, clone:0610009C22 Mus musculus nuclear localization signal protein absent in velo-cardiofacial patients (Nivcf) Phase-1 RCT-213 Homo sapiens pM5 protein (PM5), mRNA Phase-1 RCT-214 Mus musculus RAB/Rip protein mRNA Phase-1 RCT-215 Mus musculus RAB/Rip protein mRNA Phase-1 RCT-218 Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds	Phase-1 RCT-192	Mus musculus 18 days embryo cDNA, RIKEN full-length enriched library, clone:1110033J19
Phase-1 RCT-196 length enriched library, clone:3010001M15 Phase-1 RCT-197 Rattus norvegicus Protein kinase, interferon-inducible double stranded RNA dependent (Prkr), mRNA Mus musculus, Similar to hypothetical protein AB030201, clone MGC:18837 IMAGE:4211629, mRNA, complete cds Mouse DNA sequence from clone RP23-138F20 on chromosome 13, complete sequence [Mus musculus] Phase-1 RCT-205 no significant homology found Phase-1 RCT-207 Mus musculus Ran binding protein 5 mRNA, partial cds Phase-1 RCT-209 Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930583H14, full insert sequence Phase-1 RCT-211 Mus musculus adult male kidney cDNA, RIKEN full-length enriched library, clone:0610009C22 Mus musculus nuclear localization signal protein absent in velo-cardio-facial patients (Nivcf) Phase-1 RCT-213 Homo sapiens pM5 protein (PM5), mRNA Phase-1 RCT-214 Mus musculus putative NAD(P)H steroid dehydrogenase mRNA Phase-1 RCT-218 no significant homology found Phase-1 RCT-219 Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds	Phase-1 RCT-195	MGC:13908 IMAGE:4008182, mRNA, complete cas
Phase-1 RCT-202 Phase-1 RCT-204 Phase-1 RCT-204 Phase-1 RCT-205 Phase-1 RCT-205 Phase-1 RCT-205 Phase-1 RCT-207 Phase-1 RCT-207 Phase-1 RCT-207 Phase-1 RCT-208 Phase-1 RCT-209 Phase-1 RCT-209 Phase-1 RCT-209 Phase-1 RCT-209 Phase-1 RCT-209 Phase-1 RCT-209 Phase-1 RCT-211 Phase-1 RCT-211 Phase-1 RCT-211 Phase-1 RCT-212 Phase-1 RCT-212 Phase-1 RCT-213 Phase-1 RCT-214 Phase-1 RCT-215 Phase-1 RCT-215 Phase-1 RCT-216 Phase-1 RCT-217 Phase-1 RCT-217 Phase-1 RCT-218 Phase-1 RCT-218 Phase-1 RCT-219 Phase-1 RCT-219 Phase-1 RCT-210 Phase-1 RCT-211 Phase-1 RCT-211 Phase-1 RCT-213 Phase-1 RCT-214 Phase-1 RCT-215 Phase-1 RCT-215 Phase-1 RCT-216 Phase-1 RCT-217 Phase-1 RCT-218 Phase-1 RCT-218 Phase-1 RCT-219 Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds	Phase-1 RCT-196	length enriched library, clone:3010001M15
Phase-1 RCT-202 Mus musculus, Similar to hypothetical protein AB030201, Clone MGC:18837 IMAGE:4211629, mRNA, complete cds Mouse DNA sequence from clone RP23-138F20 on chromosome 13, complete sequence [Mus musculus] Phase-1 RCT-205 Phase-1 RCT-207 Mus musculus Ran binding protein 5 mRNA, partial cds Phase-1 RCT-209 Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930583H14, full insert sequence Phase-1 RCT-211 Mus musculus adult male kidney cDNA, RIKEN full-length enriched library, clone:0610009C22 Mus musculus nuclear localization signal protein absent in velo-cardio-facial patients (Nlvcf) Phase-1 RCT-213 Homo saplens pM5 protein (PM5), mRNA Phase-1 RCT-214 Phase-1 RCT-215 Mus musculus putative NAD(P)H steroid dehydrogenase mRNA Phase-1 RCT-218 Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds	Phase-1 RCT-197	IRNA dependent (Prkr.) mRNA
Phase-1 RCT-204 complete sequence [Mus musculus] Phase-1 RCT-205 no significant homology found Phase-1 RCT-207 Mus musculus Ran binding protein 5 mRNA, partial cds Phase-1 RCT-209 Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930583H14, full insert sequence Phase-1 RCT-211 Mus musculus adult male kidney cDNA, RIKEN full-length enriched library, clone:0610009C22 Mus musculus nuclear localization signal protein absent in velo-cardio-facial patients (NIvcf) Phase-1 RCT-213 Homo sapiens pM5 protein (PM5), mRNA Phase-1 RCT-214 Mus musculus putative NAD(P)H steroid dehydrogenase mRNA Phase-1 RCT-215 Mus musculus RAB/Rip protein mRNA Phase-1 RCT-218 no significant homology found Phase-1 RCT-219 Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds	Phase-1 RCT-202	Mus musculus, Similar to hypothetical protein AB030201, cione
Phase-1 RCT-207 Mus musculus Ran binding protein 5 mRNA, partial cds Phase-1 RCT-209 Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930583H14, full insert sequence Phase-1 RCT-211 Mus musculus adult male kidney cDNA, RIKEN full-length enriched library, clone:0610009C22 Mus musculus nuclear localization signal protein absent in velo-cardio-facial patients (Nlvcf) Phase-1 RCT-213 Homo saplens pM5 protein (PM5), mRNA Phase-1 RCT-214 Mus musculus putative NAD(P)H steroid dehydrogenase mRNA Phase-1 RCT-215 Mus musculus RAB/Rip protein mRNA Phase-1 RCT-218 no significant homology found Phase-1 RCT-219 Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds	Phase-1 RCT-204	Mouse DNA sequence from clone RP23-138F20 on chromosome 13, complete sequence [Mus musculus]
Phase-1 RCT-207 Mus musculus Ran binding protein 5 mRNA, partial cds Phase-1 RCT-209 Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930583H14, full insert sequence Phase-1 RCT-211 Mus musculus adult male kidney cDNA, RIKEN full-length enriched library, clone:0610009C22 Mus musculus nuclear localization signal protein absent in velo-cardio-facial patients (Nlvcf) Phase-1 RCT-213 Homo saplens pM5 protein (PM5), mRNA Phase-1 RCT-214 Mus musculus putative NAD(P)H steroid dehydrogenase mRNA Phase-1 RCT-215 Mus musculus RAB/Rip protein mRNA Phase-1 RCT-218 no significant homology found Phase-1 RCT-219 Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds	Phase-1 RCT-205	no significant homology found
Phase-1 RCT-219 Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930583H14, full insert sequence Mus musculus adult male kidney cDNA, RIKEN full-length enriched library, clone:0610009C22 Mus musculus nuclear localization signal protein absent in velo-cardio-facial patients (Nlvcf) Phase-1 RCT-213 Homo sapiens pM5 protein (PM5), mRNA Phase-1 RCT-214 Mus musculus putative NAD(P)H steroid dehydrogenase mRNA Phase-1 RCT-215 Mus musculus RAB/Rip protein mRNA Phase-1 RCT-218 Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds		Mus musculus Ran binding protein 5 mRNA, partial cds
Phase-1 RCT-211 library, clone:0610009C22 Mus musculus nuclear localization signal protein absent in velo-cardio-facial patients (Nlvcf) Phase-1 RCT-213 Homo sapiens pM5 protein (PM5), mRNA Phase-1 RCT-214 Mus musculus putative NAD(P)H steroid dehydrogenase mRNA Phase-1 RCT-215 Mus musculus RAB/Rip protein mRNA Phase-1 RCT-218 no significant homology found Phase-1 RCT-219 Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds	Phase-1 RCT-209	ub-en, clope://020583H14_full insert sequence
Phase-1 RCT-212 facial patients (NIVCf) Phase-1 RCT-213 Homo sapiens pM5 protein (PM5), mRNA Phase-1 RCT-214 Mus musculus putative NAD(P)H steroid dehydrogenase mRNA Phase-1 RCT-215 Mus musculus RAB/Rip protein mRNA Phase-1 RCT-218 no significant homology found Phase-1 RCT-219 Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds	Phase-1 RCT-211	librant plane:0610009C22
Phase-1 RCT-214 Mus musculus putative NAD(P)H steroid dehydrogenase mRNA Phase-1 RCT-215 Mus musculus RAB/Rip protein mRNA Phase-1 RCT-218 no significant homology found Phase-1 RCT-219 Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds	Phase-1 RCT-212	facial patients (NIvcf)
Phase-1 RCT-214 Mus musculus putative NAD(P)H steroid dehydrogenase mRNA Phase-1 RCT-215 Mus musculus RAB/Rip protein mRNA Phase-1 RCT-218 no significant homology found Phase-1 RCT-219 Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds	Phase-1 RCT-213	Homo sapiens pM5 protein (PM5), mRNA
Phase-1 RCT-215 Mus musculus RAB/Rip protein mRNA Phase-1 RCT-218 no significant homology found Phase-1 RCT-219 Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds		Mus musculus putative NAD(P)H steroid dehydrogenase mikina
Phase-1 RCT-218 no significant homology found Phase-1 RCT-219 Rattus norvegicus 2'5' oligoadenylate synthetase-2 mRNA, complete cds		Mus musculus RAB/Rip protein mRNA
100 100 10 10 10 10 MA OF 14100000 mPNA		
Phase-1 RCT-22 Mus musculus, clone MGC:19042 IMAGE:4188988, mRNA	Phase-1 RCT-219	
	Phase-1 RCT-22	Mus musculus, clone MGC:19042 IMAGE:4188988, mRNA

i	no significant homology found
4 DOT 005	Rattus norvegicus chromosome 4 clone RP31-327J16 strain Brown
hase-1 RCT-225	Norway, complete sequence
	no significant homology found
hase-1 RCT-230	Mus musculus GDP-dissociation inhibitor mRNA, preferentially expressed in hematopoietic cells, complete cds
Phase-1 RCT-233	no significant homology found
Phase-1 RCT-235	Rattus villosissimus RT1.Ba gene, RT1.Ba-R154 allele, intron b, complete sequence
Phase-1 RCT-239	Mus musculus adult male tongue cDNA, RIKEN full-length enriched library, clone:2300007B01, full insert sequence
Phase-1 RCT-24	Mus musculus, tubulin alpha 8, clone MGC:28850 IMAGE:4507364, mRNA,
Phase-1 RCT-240	Mus musculus, clone MGC:7041
Phase-1 RCT-241	Mus musculus oncostatin receptor (Osmr), mRNA
Phase-1 RCT-242	Rattus norvegicus B-cell translocation gene 2, anti-proliferative(Btg2),
Phase-1 RCT-25	Mouse DNA sequence from clone RP23-278F12 on chromosome 11, complete sequence
Phase-1 RCT-251	no significant homology found
Phase-1 RCT-252	Mus musculus EH-domain containing 3 (Ehd3),
Phase-1 RCT-256	Mus musculus, Similar to betaine-homocysteine methyltransferase 2, clone MGC:19186 IMAGE:4235455
Phase-1 RCT-258	Mus musculus, clone MGC:6139 IMAGE:3487295, mRNA
Phase-1 RCT-259	Mus musculus adult female placenta cDNA, RIKEN full-length enriched library, clone:1600023I01:interferon-stimulated protein (20 kDa), full insert sequence
Phase-1 RCT-260	Mus musculus adult male hippocampus cDNA, RIKEN full-length
Phase-1 RCT-261	no significant homology found
Phase-1 RCT-264	Mus musculus sodium-sulfate cotransporter (Nas1) gene
Phase-1 RCT-27	Mus musculus adult male kidney cDNA
Phase-1 RCT-270	Mus musculus, RIKEN cDNA 2010011120 gene, clone MGC:27703,
Phase-1 RCT-271	Homogous to Mus musculus, clone MGC:27581 IMAGE:4469072,
Phase-1 RCT-273	no significant homology found
Phase-1 RCT-276	Homo sapiens KIAA1224 protein
Phase-1 RCT-278	Mus musculus brain protein 17 (Brp17), mRNA
Phase-1 RCT-28	no cignificant homology found
Phase-1 RCT-280	Mus musculus carbohydrate (keratan sulfate Gal-6) sulfotransferase 1

Phase-1 RCT-281	Mus musculus, Similar to TNF-induced protein, clone MGC:11714
Phase-1 RCT-282	Mus musculus, SEC61, alpha subunit 2 (S. cerevisiae), clone MGC:6359 IMAGE:3494001, mRNA, complete cds
Phase-1 RCT-287	Mus musculus adult male kidney cDNA clone:0610010I20
Phase-1 RCT-288	no significant homology found
Phase-1 RCT-289	Mus musculus adult male liver cDNA, RIKEN full-length enriched library, clone:1300003K24, full insert sequence
Phase-1 RCT-29	no significant homology found
Phase-1 RCT-290	Homo sapiens chromosome 14 clone BAC 201F1 map 14q24.3, complete sequence
Phase-1 RCT-291	no significant homology found
Phase-1 RCT-292	Rattus norvegicus 2'5' oligoadenylate synthetase-2
Phase-1 RCT-293	Mus musculus 18 days embryo cDNA, RIKEN full-length enriched library, clone:1110021C22
Phase-1 RCT-294	Mus musculus adult male cerebellum cDNA, RIKEN full-length enriched library, clone:1500035D08:vesicle-associated membrane protein 1, full insert sequence
Phase-1 RCT-296	Mus musculus corticosteroid binding globulin (Cbg)
Phase-1 RCT-297	Mus musculus squalene epoxidase (Sqle), H
Phase-1 RCT-3	no significant homology found
Phase-1 RCT-30	Homo sapiens putative protein-tyrosine kinase (LOC51086),
Phase-1 RCT-31	Mouse 10, 11 days embryo cDNA, RIKEN full-length enriched library, clone:2810437P06
Phase-1 RCT-32	no significant homology found
Phase-1 RCT-33	no significant homology found
Phase-1 RCT-34	no significant homology found
Phase-1 RCT-36	no significant homology found
Phase-1 RCT-37	no significant homology found
Phase-1 RCT-38	Mus musculus betaine-homocysteine methyltransferase 2 (Bhmt2) mRNA,
Phase-1 RCT-40	Rattus norvegicus Cathepsin C (dipeptidyl peptidase I) (Ctsc)
Phase-1 RCT-42	Mus musculus STAT5B (Stat5b)
Phase-1 RCT-43	no significant homology found
Phase-1 RCT-45	Mus musculus Nedd4-binding brain specific protein BEAN mRNA, partial cds
Phase-1 RCT-48	Mus musculus adult male liver cDNA, RIKEN full-length enriched library, clone:1300003K24, full insert sequence
Phase-1 RCT-49	No match with score above 200
Phase-1 RCT-50	Mus musculus fibroblast growth factor regulated protein 2
Phase-1 RCT-51	Rattus norvegicus unknown Glu-Pro dipeptide repeat protein
Phase-1 RCT-52	Rattus norvegicus D5d mRNA for delta-5 fatty acid desaturase
Phase-1 RCT-53	no significant homology found
Phase-1 RCT-54	Mus musculus 10 days embryo cDNA, RIKEN full-length enriched library, clone:2610007A05, full insert sequence
Phase-1 RCT-55	M.musculus myoglobin gene exons 2-3
Phase-1 RCT-56	M.musculus myoglobin gene exons 2-3
Phase-1 RCT-59	no significant homology found
Phase-1 RCT-60	Mouse, Similar to tyrosyl-tRNA synthetase, clone MGC:19350
1100-1101-00	The second secon

no significant homology found
no significant homology found
no significant homology found
no significant homology found
M.musculus mRNA for low density lipoprotein receptor
no significant homology found
Rattus norvegicus nucleosome assembly protein mRNA
Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4933406P04, full insert sequence
Mus musculus, clone MGC:11987 IMAGE:3601737, mRNA
no significant homology found
no significant homology found
no significant homology found
Mus musculus adult male liver cDNA, RIKEN full-length enriched library, clone:1300002K09, full insert sequence
no significant homology found
Mus musculus, Similar to hypothetical protein AB030201, clone MGC:18837 IMAGE:4211629, mRNA, complete cds
Mus musculus adult male lung cDNA, RIKEN full-length enriched library, clone:1200015G06, full insert sequence
no significant homology found
Messenger RNA for rat preproalbumin
no significant homology found
no significant homology found
Mus musculus nucleosome binding protein 1 (Nsbp1),
no significant homology found
no significant homology found
no significant homology found
Mus musculus adult male liver cDNA, RIKEN full-length enriched library, clone:1300003M23, full insert sequence
no significant homology found
no significant homology found
no significant homology found
Rattus norvegicus Glutamate receptor, metabotropic 5 (Grm5)
no significant homology found
Mus musculus, ADP-ribosylation factor 3, clone MGC:6687 IMAGE:3582243, mRNA, complete cds,

Table 27 Liver Inflammation Predictive Genes Whose
Protein Products Are Known to be Secreted
Adrenomedullin
Alpha 1 - inhibitor III
Alpha-1 acid glycoprotein
Alpha-1 microglobulin/bikunin precursor (Ambp)
Alpha-2-macroglobulin, sequence 2
Alpha-2-microglobulin
Alpha-fetoprotein
Apolipoprotein All
Apolipoprotein C1
Apolipoprotein CIII
Apolipoprotein E
Ceruloplasmin
Ciliary neurotrophic factor
Colony-stimulating factor-1
Complement component C3
Complement factor I (CFI)
Histidine-rich glycoprotein
Insulin-like growth factor binding protein 1
Insulin-like growth factor binding protein 5
Insulin-like growth factor I
Insulin-like growth factor I, exon 6
Inter-alpha-inhibitor H4 heavy chain (Itih4)
Interferon related developmental regulator IFRD1 (PC4)
Interleukin-10
Macrophage inflammatory protein-1 alpha
Macrophage inflammatory protein-2 alpha
Matrix metalloproteinase-1
NGF-inducible anti-proliferative putative secreted protein
(PC3)
Osteopontin
Paraoxonase 1
Preproalbumin, sequence 2
Selenoprotein P
Stem cell factor
Tissue factor pathway inhibitor
Tissue inhibitor of metalloproteinases-1
Tissue plasminogen activator
Transthyretin
Urinary protein 2 precursor
Vascular endothelial growth factor

What is claimed is:

1. A method of predicting the liver toxicity in an individual to an agent comprising:

obtaining a biological sample from the individual treated with the agent; measuring the expression of one or more liver toxicity predictive genes in the sample, wherein the genes are selected from the group consisting of partial gene sequences of genes identified as responsive to agents causing liver inflammation, thereby generating a test expression profile; and

using the test expression profile with a set of reference expression profiles in a Predictive Model to determine whether the agent will induce liver toxicity in the individual.

- 2. The method according to claim 1, wherein the liver toxicity predictive genes are selected from the group of partial gene sequences listed in Table26 that represent 24 hour combo All genes.
- 3. The method according to claim 2, wherein the partial gene sequences correspond to rat genes.
- 4. The method according to claim 2, wherein the partial gene sequences correspond to dog genes.
- 5. The method according to claim 2, wherein the partial gene sequences correspond to non-human primate genes.
- 6. The method according to claim 2, wherein the partial gene sequences correspond to human genes.
- 7. The method according to claim 1, wherein the liver toxicity predictive genes are selected from the group of partial gene sequences listed in Table26 that represent 24 hour combo 3 genes.

8. The method according to claim 7, wherein the partial gene sequences correspond to rat genes.

- 9. The method according to claim 7, wherein the partial gene sequences correspond to dog genes.
- 10. The method according to claim 7, wherein the partial gene sequences correspond to non-human primate genes.
- 11. The method according to claim 7, wherein the partial gene sequences correspond to human genes.
- 12. The method according to claim 1, wherein the liver toxicity predictive genes are selected from the group of partial gene sequences listed in Table 26 that represent 24 hour Combo 5 genes.
- 13. The method according to claim 12, wherein the partial gene sequences correspond to rat genes.
- 14. The method according to claim 12, wherein the partial gene sequences correspond to dog genes.
- 15. The method according to claim 12, wherein the partial gene sequences correspond to non-human primate genes.
- 16. The method according to claim 12, wherein the partial gene sequences correspond to human genes.
- 17. A method of predicting the liver toxicity of an agent using an in vitro system, comprising the steps of:

obtaining a biological sample from in-vitro cultured cells or explants treated with the agent;

measuring the expression of one or more liver toxicity predictive genes in the sample, wherein the genes are selected from the group consisting of partial

gene sequences of genes identified as responsive to agents causing liver inflammation, thereby generating a test expression profile; and

using the test expression profile with a set of reference expression profiles in a Predictive Model to determine whether the agent will induce liver toxicity in the individual.

- 18. The method according to claim 17, wherein the liver toxicity predictive genes are selected from the group of partial gene sequences listed in Table 26 that represent 24 hour combo All genes.
- 19. The method according to claim 18, wherein the partial gene sequences correspond to rat genes.
- 20. The method according to claim 18, wherein the partial gene sequences correspond to dog genes.
- 21. The method according to claim 18, wherein the partial gene sequences correspond to non-human primate genes.
- 22. The method according to claim 18, wherein the partial gene sequences correspond to human genes.
- 23. The method according to claim 17, wherein the liver toxicity predictive genes are selected from the group comprising of 24 hour Combo 2 genes.
- 24. The method according to claim 23, wherein the partial gene sequences correspond to rat genes.
- 25. The method according to claim 23, wherein the partial gene sequences correspond to dog genes.
- 26. The method according to claim 23, wherein the partial gene sequences correspond to non-human primate genes.

27. The method according to claim 23, wherein the partial gene sequences correspond to human genes.

- 28. The method according to claim 17, wherein the liver toxicity predictive genes are selected from the group of partial gene sequences listed in Table 26 that represent 24 hour Combo 5 genes.
- 29. The method according to claim 28, wherein the partial gene sequences correspond to rat genes.
- 30. The method according to claim 28, wherein the partial gene sequences correspond to dog genes.
- 31. The method according to claim 28, wherein the partial gene sequences correspond to non-human primate genes.
- 32. The method according to claim 28, wherein the partial gene sequences correspond to human genes.
- 33. A process for predicting the liver toxicity in a biological sample from an individual, in-vitro cell cultures or explants to an agent via a programmable machine, the process comprising the steps of:

obtaining a biological sample treated with the agent;

measuring the expression of one or more liver toxicity predictive genes in the sample, wherein the genes are selected from the group consisting of partial gene sequences of genes identified as responsive to agents causing liver inflammation, thereby generating a test expression profile; and

using the test expression profile with a set of reference expression profiles in a Predictive Model to determine whether the agent will induce liver toxicity in the individual.

34. A computer program product for enabling a computer to perform Predictive Model analysis for liver toxicity on a biological sample from an individual, in-vitro

cell cultures or explants to an agent, the computer program product comprising:

software instructions for enabling the computer to perform predetermined operations, and a computer readable medium embodying the software instructions;

the pre-determined operations comprising:

measuring an expression of one or more liver toxicity predictive genes in a sample, wherein the genes are selected from the group consisting of partial gene sequences of genes identified as responsive to agents causing liver inflammation, thereby generating a test expression profile; and

using the test expression profile with a set of reference expression profiles in a Predictive Model to determine whether the agent will induce liver toxicity in the individual.

35. A Computer system adopted to predict liver toxicity in a biological sample from an individual, in-vitro cell cultures, or explants to an agent, comprising a processor and a memory including software instructions adapted to enable the computer system to perform operations comprising:

measuring the expression of one or more liver toxicity predictive genes in the sample, wherein the genes are selected from the group consisting of partial gene sequences of genes identified as responsive to agents causing liver inflammation, thereby generating a test expression profile; and

using the test expression profile with a set of reference expression profiles in a Predictive Model to determine whether the agent will induce liver toxicity in the individual.

36. A computer program product for predicting liver toxicity from a test sample expression profile, comprising:

an encrypted training data set;

encrypted lists of genes selected from genes predictive of liver toxicity to be used with the encrypted training data set, and

a Predictive Model that uses the encrypted training data sets, the encrypted lists of genes, and the test sample expression profile to predict the liver toxicity of the test sample.

- 37. The computer program product of claim 36, wherein the encrypted lists of genes are selected from any Combination Category appearing in Tables 5, 18 and 23.
- 38. The computer program product of claim 36, wherein the encrypted lists of genes comprise a 24 hour Combo All genes as set in Table 5.
- 39. The computer program product of claim 36, wherein the encrypted lists of genes comprise a 6 hour Combo All genes as set in Table 18.
- 40. The computer program product of claim 36, wherein the encrypted lists of genes comprise a 72 hour Combo All genes as set in Table 23.
- 41. A method for mining genes predictive for liver toxicity, comprising the steps of:

collecting expression levels of a plurality of candidate toxicity predictive genes among a multiplicity of samples;

defining a group of samples to be a training set;
defining another group of samples to be a test set;
optionally generating additional training and test sets; and
selecting a set of genes which are predictive of liver toxicity based on
evaluating the training and test sets in a Predictive Model.

- 42. The method according to claim 41, wherein the expression levels are stored as a database on an electronic medium.
- 43. An integrated system for predicting liver toxicity, comprising:
 means for measuring gene expression profiles of genes predictive of liver
 toxicity from biological samples exposed to a test agent; and

a computer system operably linked to the means wherein the computer system is capable of implementing a Predictive Model.

44. A method of identifying one or more liver inflammation predictive genes, the method comprising:

providing a set of candidate toxicity predictive genes;

evaluating said genes for their predictive performance with at least one training and test set of data in a Predictive Model to identify genes which are predictive of liver inflammation; and

testing the performance of predictive genes for their ability to predict liver inflammation for: (i) different test sets of data, (ii) comparison of prediction for accurate versus random classification, and (iii) prediction using test data external to the data used to derive the predictive genes.

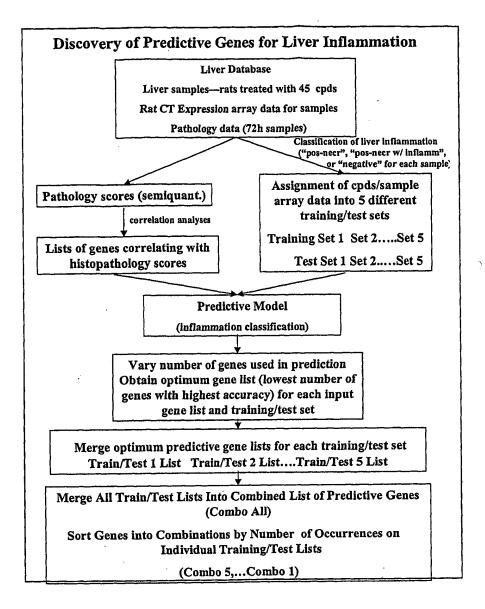


Figure 1

Evaluation of Predictive Genes for Liver Inflammation

Evaluated Gene Lists

Combo All and Combo Sets

Individ. genes in best Combo sets

Randomly selected subsets

Cumulative genes in Combo sets

Subsets of "non-predictive" genes

5 different training/test sets (same as for identification)

Training Set 1 Set 2.....Set 5

Test Set 1 Set 2.....Set 5

Accurate and random classifications

Predictive Model (KNN)

Predictive Performance

(means and ranges for 5 different training/test sets)

Prediction Units-Sample, Cpd-Dose, Cpd

Accuracy—proportion of correct classifications

False positive—proportion of incorrect classifications for samples negative for inflammation

False negative-- proportion of incorrect classifications for samples positive for inflammation

Geometric Mean—measure of predictive performance that considers proportion of pos. and neg. samples for inflammation

Comparison of accuracy for accurate and random classification

Figure 2

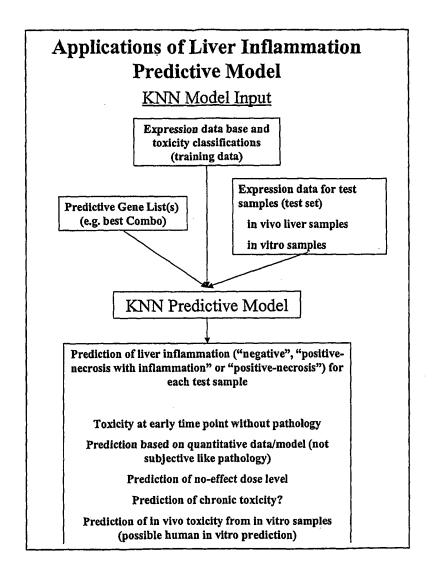


Figure 3

Table 20. Office Fledicine to Cive III	di liliatori, Sequences, ara Accessori	
	Accession Number	Sequence
14-3-3 zeka	717615	TIGENGANTTGGGCCCTCTAGATGCTCGAGCCGCCGCGAGTGTGATGGATATCTGCAGATTCGCCCTTGGCGGGTTCCAAAAAGCAGGCGAGATTGCNCCCATTGGCGCGTTCGCCGAGAAAAGCTTGATCCCAAAAAGCTTGATCTGCTCCTTTGATCCCAATTTGAGAAAGCAAATTGAAATTGAGAAATTGAGAAATTGAGAAATTGAGAAATTGAGAAAAGCAAAAAGCAAAGAAGGAAG
25-hydroxylase hydroxylase	AB001992	GCGAATTGGGCCCTCTAGATGCATGCTCGAGCGCCCCAGTGTGATGGATATCTGCAGAATTCGCCCTAACTAA
3-beta-hydroxysteroid dehydrogenase AA923963 (HSD3B1)	4A923963	NGCCAAGCTAAAATTAAGCCTCACTAAAGGGAATTAAGCCNGCCGCAANGNTATTNITTNIATATTTTNINNTTANATTAAGCCATTAGAATATTTATT GCTTTATAATCAATGAGAATTAACCAAAGCAGGATGTGATTTAGGAAGGA
92		CONNINICTATGACATGATTACGACTCACTATAGGGAATTTGGGCCCTCGAGGCCAAGAATTCGGCCAGGAGTTCGGCACGAGGACCACTACAACC CTGTACCTGGGGTTATGATGAGAGTTCCCTCACTATACTACAAGATTTGGGACGATCACTACTACAAGA CTGTGCCACCAGGACCCAGACCCACACCCCATTCTCTCTGGGATTACAGGATGTGTTCAAGAGGTTTCTGGAATAAGACGATTC TCGTCTGTGTTCCAGTATGTGCGGGAGGAAACTTCTGAGTGCCCTGTGGAATGAGGATGTTTAGGAACAAGTTGTTCACTCTTCTAGAACAAGTTCTTCATCTTCTTCTAGAACTTCTTAGATGCTTCTTCTTCTAGAACTTCTAGAACTTCTTGATTGTGTTCTTTTTATTCCATTTTAATCAAGTTTTAATCAAGTTTTAATCAATTTTAATCAAGTTTTAATCAATTTTAATCAATTTTAATCAATTTTAATCAATTTTAATCAATTTTAATCAATTTTAATCAATTTTAATCAATTTTAATCAATTTTAATCAATTTTAATTCAATTTTAATTCAATTTTAATTCAATTTTAATTCAATTTTAATCAATTTTAATCAATTTTAATCAATTTTAATCAATTTTAATCAATTTTAATCAATTAATCAATTTTAATCAATTAATCAATTTTAATCAATTAAACAAATTTTAATCAATTAAACAAATTTTAATCAATTAAACAAATTTTAATCAATTTAAACAAAATTTTAATCTGAATTAATCAATTAAACAAGATGGATTAAACAAAATTTGAACAAAATTTGAACTGAATAAAATTGAATCAATTAAACAAAATTGAATCAATTAAACAAAATTGAATTAAACAAAAATTGAATCAATTAAACAAAATTGAATCAATTAAACAAAATTGAATCAATTAAACAAAATTGAATCAATTAAACAAAAATTGAATTAAACAAAAATTGAATTAAACAAAAATTGAATTAAACAAAAATTGAATTAAACAAAAATTGAATTAAACAAAAATTGAATTAAACAAAAATTGAATTAAAAAAAA
3-methyladenine DNA glycosylase	X56420	ANTIGGCCCTCTRGATGCATGCTGCAGCGCGCGTGTGATGGATATCTGCAGAATTCGCCCTTGACAGGTCCTTGTCCGCGCGACTTGCTGATG GAACACACTCTGACGGCGCCATTGTAGACACTGAGGGCGCGCGAAACTCCACCCTTCAAGGGGTGCCCCGT GAACACACTCCATGCACCTTGTAAGACTTGCAAGACGATGCTTCCACTTCAATGTTCTCAATGTTCCACTCAAGGGGCTGGGGCTT GACCGTGGCATGTTCATCAAAGCTTGAAACTCTGACGTTAACACTTGATGCTTCCAAACTCCCTGCAAATGTCCAGTCAAGGGGCTTGGGGCGTT GTGTTTGCTTAAGAGCATTAAGGCCATTGGAGCCATTGAACCATGCGCAGCTTCCAAACTCCCTGCGGAAAACTCCGGAAAATGCCGTGCGGCGTTCCCTCA AGGACCGCGGAGCTTGTAATGGTCCCTCCAAACTGTGCCAGCCA
	X67 107	ANCOGGECCTCTAGATIGOTICGAGGGCGGCGGCGTTTTGTGGAAATTCGGCGCTTCGCGGGATCCGGTGAAGTTCGAAAATTCGCCGTTTGAGATTCGGAAAATTCGCAAAAATTCGCGGTTTGAGCTTCGGAAAATTCGCAGGGTTTGAGATTCGCCATCAGCATTCAGCTTCAGCATTCAGCTTCAGCATTCAGCATTCAGCATTCAGCATTCAGCATTCAGCATTCAGCATTCAGCATTCAGCATTCAGCAGGTTTTTCATCAGCAGCTTGGCAGTTGATTGA
60S ritosomal protein LB (alternate done 1)	X67107	CTATGACATGATTACGAATTTAATACGACTCACTATAGGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGAGCTGAGGAAGGA

Roycompanion DNA observations	9000000	
		Nate INVICTOTINAMITATION PROMODERCECCASTITIANTEGATATICTECAGATITICGCCCTTTGCAGGAGTTTCGAGTGGCCTTTATGAGGAGCTTTATGAGGAGCTTTATGAGGAGCACCACCAGAGAGAG
Acetyl-CoA carboxylasse	AA925393	ATCGATTICTCACTENCAGAGIGAAGGCTGCTTTGTGAACAAGTGCACAGATAATATGGCAATCTCAGTTCAAGCAAG
factor 3	M63282	AGCTATGNCCATGATTACGCCAAGCTATTTAGGTGCCACTATAGAATACTCAAGTATGCATCAAGTTGGTACCCAGGCTCGGATCCAAGGTGGGCGGGGGGGG
	346190	Tokkoamttogocotettaanteeatgeteeaggegeoogastateeatateeatateeatateeatateeggaatgegeatgegaatge Achtostettaaakostakaakaaktateteegaattatatateeaakaggegattaiteagetegatettagastaaagaattateeaakaga Achtostataaktakattaetagaateetagastataataataataataataataataatateetagaakaataatateetagaakaakaataataataataataa Ccatettotocacattaaattogaggacattotaactgaattogatagaakaataataataataataataataataataataataata
e	AA925220	Tradeatiticeaeaaatititaettataataeseaaaaatseataaaatataaaettititaeteititieeaataeaaaatataateaaatataaaaaaaa
tide translocator 1	D12770	GCGAATTGGGCCCTCTAAATGCATGCTCGAGGCGCCGCCGATATTGCTGAAATTGGCCCTTTCACTGGAAGGGGGGGG
Adrenomedulih	U15419	TIGGGANTTIGGGCCTCTAGATGCATGGTGGAGGGGCCGGTGTGATGGATG

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WΩ	Ω3.	/005	624

Nicotral detrydrogenase 1	M15327	TRGSTENCACTATNAANTACTATGCATCANGCTTGGACCAGGCTCGGATGCTAGTACGGCCGCCGCTGTGTGTG
Aldehyde dehydrogenase, mlarosomal AA956846	AA956846	GCCAATGANTGETTCTTGATACNTCATACAATACAATTCAACAGGGTGGAACAGGTTAATTGAGCAACATGGTTGTACATTGCGAAGTTGT ACATTCTCATTGAGTTGTACTTACATTCTGGAACAGCAGTGAGACCTGCAGGTTCAACAGGTGTTGAGTGGTGGCAGTGGAGTGGAGTGGAGTGGAGGGAG
Aptra 1 - Intribitor III	J03552	GAAATNGGCCCTTAGATGCATCCTCGAGGGCGCCCAGTGTGATGGATATCTGCAGAATTCGCCGGGATCCGCGGGATGCAGTGTGTGGGGGGATGTGTGGGGGGATGTGTGGGGGGATGTGTGGGGGATGGCGGGGATGGGGGGGG
Alpha-1 acid glycoprotein	A023162.	ATGCNIGGCCTAAGSATICCTTCTTGGTCTTCTTGTGGTCTCTCCAGGTCCAGTGGTGNTNTGATGCTCAGTGAGTGAGTGTTTTTTTGTGGTGTTTTTTGGGGGGGG
Alpha-1 microg(obulin/bikurin precursor (Arrbp)	A043784	AGGINIONCCNTCCTTGCAGGGCCATGNTTCCTTGTNTCCTGGGAAGGTGGTTTATTGGGCCCTGAGGTTGCNTCCNTCCNTCCNTCCATAGGTGGCCGTGGAGGTGGTATGGTGGGGGCGTGGCCGTGGGCGGGGGGGTGGGGGGGG
Afpha-2-macroglobulin, sequence 2	NA/_012488	Tataacateataacaattiaataacaactaataadeedaattideedoottosaeedoadaattideedadeetaataataataataataataataataataataataata
Alpha-2-microglobdin	AB039825	TICTBACATGATTACBACTTAATTACAACTCAACTAAGGGAATTTGGCCCTGGAGGCCAAGAATTCGGCAGGAGGAGGAGGAGGAATTAATT

	X02361	GAAACGGCCCTCTAGATGCATGCTCGAGCGGCCGCAGTGTGATGGATATCTGCAGAATTCGCCCTTTCAGCAGAGCTGATAGACCTGACAGGGGAA GATGGTGAGCATTGCCTCAACGTGCTCAGTGAGGGAAACGGTCGCCTGCGGTGAGGGGACTGGCATTTACATTGGACACTTGTG GATGGTTAACATGAGGCAAACCCTGATGACTCCGGTTAACAGGAGGATTCTGCAAACAGGAGGCCTTACACAGGCTTTCTGAGG GACGAAACTAACAGTCCCTCCAACAATTCATTCAACAAACA
Apha-prottymosin	AA875070	TACTGGAATGTCAGAATAAGATTGTTTTTTGGTGTTTTTTTT
din	J00798	GGGANTIGGGCCCTTAGATGCATGCGGGCGCCGCGGTGTGATGGATATCTGCGAATTCGCCCTTGCGGGATCCTGATGTGGTCCCAAA GAIGTCAATGCTGATGCATGCATGCACCATCAACGCGCGCGCG
	M21730	GTGAATTGGCCCTUTAGATGCATGCAGCGGCCAGTGTGATGTGA
	M28815	GCGANTTGGGCCCTCTAGATGCTCGAGCGGCCGCAGTGTGATGGATATCTGCAGAATTCGCCCCTTGCGCGGATCCTAGCCTGGAGAGCTTGATGGCTGAGAGCTTGATGGCTGGAAATTCGCCCCTTGCCGCGGATCCTAGCCTGGAGAGCTTTGATGGAGAACTTCGAAATTCGATGGCAGAATTCGAAAGCAATTCGAAAGCAATTGATGGAGAAGCCCCCCGGAGAATTCGAAGCAATTGAATGGAAAGCAGAAGCAAGC
	AA95662	NCCCNATTCAGGTTGCGCAANTTTTGGGAANGGNCAATCGGTGCGGCCTTNTTCGCTATNACNCCAGGTGGSGGAAAGGGGAATTTGGGAATTGGGGGAATTGGGGGGAATTGGGGGG
Apolipoprotein CIII	905200	GCAAACCGCTTCTCCCGGGGGGGTTGGCCGATTCATTATGCAGTGGCACGACAGGTTTCCCGACTGAAAAGCGGGGCGTGAGCGAGTGAGCGAATTAA TGTGAACTGCCCGGGGGGGGTTGGCAGCCTTTAAGTTTTCCGGCTCGTATTGTGGGAATTGTGAGCGGATTCACACA TGTGAACTTACCTCATTAGGCACCCAGGCTTTTTGCTTTTCCGGCTCGAACTTTGTGTGGAATTGTGAGCGGGTTCAGGGTTCACACA TGACACGTTAACCATGATTACGCAGCTTATTAGGTGATTATAGAATTGTCAGCTTCAAGGATTGGTGTTTGTT

Apolipoprotein E	702582	TGAGAATT GGGCCCTCTAGATGCTCGAGCGGCCGCAGTGTGATGGATATCGCAGAATTCGCCCTTGCGGCGATCCAGGCTTTGAGTGACCCTCCAGGCTTTGAGTGACCCTCCAGGCTTTGAGTGACCCGGCAGATCGCCAGGACCCCCTTGCGGCGTTGCAGCCCTCCAGGCTTGCAGCCCGCGAGTGCCCTCCAGATGCAGACTCCAGATGCAGCCCCCAGTAGTGCAGCCCCCAGTAGTGCAGCCCCCAGTAGTGCAGCCCCAGTAGTGCAGCCCCAGTAGTGCAGCCCCAGTAGTGCAGCCCCAGTAGTGCAGAATACAGCTAGTGCAGGCCCCAGTAGTGCAGCAGGCCCCAGTAGTGCAGGCCCCAGTAGTGCAGTAGCCCAGTAGTGCAGGCCCCAGTAGCCCAGTAGCCCAGTAGCCCAGTAGCCCAGTAGCCCAGTAGCCCAGTAGCCCAGTAGCCCAGTAGCCCAGTAGCCCAGTAGCCCAGTAGCCCAGTAGCCCAGTAGCCCAGTAGCCCAGGCCCCAGATCCCAGCAGCCCCAGTAGCCCAGGCCCCCAGATCCCAGCCCCAGATCCCAGCCCCCAGATCCCAGCCCCCAGATCCCAGCCCCCAGATCCCAGAATCCCAGCACCCCCAGATCCCAGAATCCCAGAATCCCAGCACCCCCGGCCAGCCCCCAGACCCCCCGGCCAATACTTGCCCACACCCCCCGGCCAACCCTAATAGATGAATCCACCACAATACCTCACAATACCCCCCCGCCCAACGCCCCCGGGCAAACCTTACCCACAACCTTACCCCCCCGGCCAACGCCCCCGGGCAAAACCTTACCACAATACCTGCCCAACGCCCCCGGGCAAAACCTTACCACAATACCTGACTTACACCACAACCTTACCACAACCTTACCCCCAACACCATAAATTCCCCCC
Apoptosis-regulating basic protein	AF304429	TCTATGACATGATTACGAATTTAATACGACTCACTATAGGGGATTTTGGCCCTTCGAGGGCCAAGAATTCGGCACGAGGGCTTCACCGCCAACCAGCGG CCATGGCTGGACCTCTGGTGCCCAAGCGGGCGGACTATGTGCCGGAGGCATCTCCGGGGACTATCTCATGAGTACCCCTTCTGGGGCCCATG CCAACTGGGGGTTTGCCCACACTGCATACAATACA
Aquaporin-3 (AQP3)	Al045067	CAACTETTGGAAAGGGGGATGGGGGNGGNCTNTTGGTTATTACGCCAACTGGCCCAAAGGGGGAATGTGGCAAGGGGGCATTAAGTTGGGTAAGGCCCAGGGGGTTTTTTTT
Argininosvocinate lyase	D13978	CTCTATBACATGATTACGAATTAATACGACTCACTATAGGGAATTTGGCCCTCGAAGGCATGGGCACGAGGCTGGTCCACTAACTCCAGGG ACTGTGGGACAGAGAACAACAACAACAACAACAACAACAACAACA
Ayy sufotransferase	X52883	GNGNITCTGNICTTGTGAAGGGCCTCTTAGATGCTGCCGAGGCGCCCCCTGTTGATGGATATCTGCAGAATTCGCCCTTTGGCCCTTTGGCCTTTGGCGCT CATTCTGGGCTACAGTGAAGGGTATTTTCCAGTCCCCAGTAGTACCTTTCCTAGAGGCAGAAACATTGTGGCTAATTCTCAGTGGGCT CATTCTGGGCTTAGCCATGCTTTATTTTTGAAGATTGTGGTGAACAATGGAATTCACAGTCTCCGGGTAAGTGCAAAACTC TGTGAATCTTGTTGATCTCCTTTTGGGGTTCTCCTTTATGTTTATGTTAGAGAACAGGTGTGCCAGTGTCTCCAGCTTCCACTTCTCAC GCGCTGGTACCACGACCATAGAACATTCCCCATTTCAGGCTTCCATCATAAACTGTTCCCAGGTGCCTTGATCAGGGGCCCTTTTAG TGTGAAGTTATAATAGGACCACATTCGCATTCAGGCCATTTCAGGCCATTTCTCAAACTTTCTGAACCTTTCTGAACCTTTCTGATCAGCAACTTTTTAGGGGCCAAGTTTCAGGCCAAGTTTCAGGCCAAGTTTCAGGCCAAGTTTCAGGCCAATTTCAGGCCAACTTTCAGGCCATTTTCAGGCCAAGTTTCAGGCCAACTTTCAGGCCAACTTTCAGGCCAACTTTCAGGCCAACTTTCAGGCCAACTTTCAGGCCAACTTTCAGGCCAACTTTCAGGCCAACTTTCAGGCCAACTTTCAGGCCAACTTTCAGCAACTTTCAGGCCAACTTTCAGGCCAACTTTCAACCTTTCAACTTTCAACAACTTTCAACAAC
Aspartate aminotransferase, mitodrondriai	M18467	NTATECATCAAGTTGGGTCGGAGTCGNATCCCACTAGAACGCCCGGCCAGTGGCTGGAATTCGCCCTTCGCGGNATCCCACCCCGGTAGAGCCTCT CATATAGAGGTTGTAAGAAAGAATAACTTGTCGATTAACAGTTGTCAGAGTGTGCTCGGTGGTTGGAAGCAACTTGTTCAGCAACTTGTTACAAAAATTATCTTTACAAAATTATCTTTGTTACCCGTGGAGTTTCATCCCATTCTACCAACATTAACCATTCTACCAATAACCTTTACAAAAAA
ATP-stimulated glucocorticoid- receptor translocation promoter (Gyk)	NM_024381	TATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGGCCCAGAATTCGGCACGAGGGACCTTTGGGACTGACCCTGCC TCCACTCTCATGATGACGACTATTAATACGACTCATAGGATGAATTGTATCCTGTCCATTGACAGGACTGTCCATATATCCAGATGTCTTTCTGCT TCCACTCATAGGCCACACACACTGATTTCCACATTTTCTAACAGTCTCAATGATGTGTTTCTTTTTTACAGCTCAATGTTTTTTTT

Axin	AF017756	GGAAAGTGGGGGGTGGGAGGTCATCCTACTGAGTGGTTCCATGGGTTTCTCTGTTTTGCTGTTCAAAGGGAAAAGCCGCACCTACCCCACACTACC CCTGAAGCAATACCAGGAGCCATCTGACCCTCAGCACTCTTGCTTG
Bax (alpha)	U49729	CICAAGITATECATCAAGITIGGIACCGAGITGGATCCACTAGTAACGGCCGCAGITGTGCTGAATTCGCCCTTCGCGGAATTCGGGGGCTTTTTGTTA CAGGGTTCATCAGGATCGACCAAGAGGATGGCTGCGCAGCACCTTCGACCACGCACCCCCAGGACCCACCACGACCACACACA
Beta-actin	V01217	TTENEARTTGGGCCCTCTAGATECATGCTGGGCCGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTGCGGGGATCCCCGGGGACCTGACAG ACTACTCATCATGAAGATCATGAAAGGGGTACAGCTTCACCACCAGGTGAGGGAATCGTGCGTTGCGTTACATTAAAGAGAAGCTGTGCTATGT TGCCCTAGAACTTCGGATCATGAAAGGGGTACAGCTTCACCACCAGGCTGAGGGTAGAATCGTGCGTG
Bela-actin, sequence 2	V01217	TIGACATGAITAGGAATGTAATACGACTNCTATAGGGAATTTGGCCCTCGAGGGCCTAGAATTCGGAGGGAG
Betz-etenino synthase	M97662	TATGACATGATTACGAATTTAATACGACTGACTATAGGGGATTTGGCCCTCGAGGGCCAAGAATTCGGGCAGGGCTGAAATCATCTTCAACCCTTCAG CCACCATTGGAGAACTCAGTGAGTCCATGTGGCCGATTGGACCATTGGCCATTGGGCATCTCTTCACTGTTGCCTTGACCGTGTGG GTCAGGAACACTACCCCAATTGAGTTTACTTGTGGAGGTTGGAACGAAAGGCTCGCCAATCGCTAATCATTGACGGTTGACCTTGGG GTCAGGAACCTGCCCCAATTGAGTTTACTGTTGGAACGAAAGGCTCACCATGACCTCAACCTATTACCAGCAGAGTGATTAATGATTTGTG GACTTTCAAGATGACCGGCTTTGAGATGTTGTGAGGAGCTTTGCCGAAGCTGTCAACCTCAACCTATTGCCAACATTAATGATTATGATTTGTG GACTTTCAAGATGACTGGGGTTAGATGCCGGGAGCTTGCCGAAGCTTCAAACCAACTACAGTCCAACATTTTAAAATTGATTAATAACTGAAAGAGCT GGTTTCAACCCCTGACTTGGTGAACTGTTAAAAAAAAAA
Betaine homocystaine methytransterase (BHMT)	NM_030850	TICTATGACATGATTACGAATTTATTACACCACTATAGGGGAATTTGGGCCCTCGAGGGCCAGAATTCGGGCAGGGGTTCCGAATAGCTTCCGGGGAGAC IGTATACATCCTTCGAAAATTACAGACTCACTAGGGGAATTTGGGCCCTCGAGGCAGCCAGAGTTCCAGGGAGCCACCACTTGAGGAGACCACGCTTGAGGAAGCCACACGTTGAGCAGGAGGTTCGAAAAATTCAAAAAATTCAAAAAATTCAAAAAATTCAAAAAA
Bels-lubulin, class I	AB011679	CITCTATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTTGGGCAGGAGGATTATTACAGTAAACCGTAG CCATGAGGGAAATTGGGCCACATTGCAGCACATGTGGGAATGATTGGGGAGGAGGAAGTATTGATTACAGTAAACCGTAGC CCACCGGCACCTACCAGGGAGACAGCGACTTGCAGCTGGACCGAATGTGTGTG

Billverdin reductasa	Mates	MATTOMOTIVE
		GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
C4b-binding protein -	NM_012516	CCTCTAGATGCATGCTGGAGGGGCGCCGCGTGTGATGGATATCTTGCAGAATTCGGCCTTGACGAGTGTCATACACATGTCAAATGATATAATGCTTAAAGATGTCAAATGATATAATGCTTAAAGAGTGTCATGCTGCGCGATTGCTCGGCGGTATAAACAGATGCTTGCAAGTGCTGCATTGCTCGGCGATTGCTCGGCGGTATAAACAATTGCGGAGAAGAAAGA
Calgranulin B	NM_055687	ATCAATGITTICCATCAGTAGTAGTAGGAAGTAGGACATCCTGAACAAGGGGGGAATTCAAAGGATGGAGAATTAGGACTTGCCAAATTTT CTGAAGAGGGAGAAAGAAATGAAAATCCCTAAGAGATCATGGAGGACCTGGACAAAACCAGGACATCAACTGTCTTTGAGGACGTTGATAA TGCTGATGGGAAAGTTGATCTTTGCCTTTGATGAGAAGCTGCATGAGAACAACAGGCTGGGCATGACCAGGCCAGGGCAAAGGCTTGGGAAGTTGATAAAAGTTGATTTAGAGGAAGTTGATCAAGGCTTTATGAGGAAGTTGACCTTTATAAGAGCTTTTTTGAGGGAAATTAAAAATTTAAAAATTTTAAAAATTTTAAAAATTTT
Calpardin i heavy chain	WM_019905	ACATGATTACGAATTTAATACGACTCACTATAGGGGAATTTGGCCCTCGAAGAATTCGGGAGGGTAGGGAGGCTCTCTGCCAATAGGTGCC CGGCCCAACATTTAATACGACTCACTATAGGGGAATTTGGCCTCCGAGAATTCGGGAGGCTAGGGAGGCTCTCTGCAAATAGGTGCC CGGCCCAACCTTAAAAATGCAAAATGCCAAGAGGGATTGCAAAACTCCAAGACTCAAGAGCAAAGGGCAGGAGCAGGAGTCACTGTCAAC GATCATAACTAACGGCAGCAATGCAAGAGGAGGAATTGCCTTGGACCTACAAGAGGAAGAGGAACTCCAATGGAATGAACTCAGCC TTGTCTGGTAACGGCAGCAATGCAAGAGGAATGCCTTGCATCGGTTAGAGAAGAGAATGAACTCCAAAGAGCTCCAATGAAGACGCATTGAAGAACACTGATAGAGAATGAACACTCAAAGAGCCTCAATGAAGAACACTCAAAGACCTCAATGAGAACACTCAAAGACCTCAAAGAACACTCAAAGACCCCTCAATGAAGAACACTCAAAGACCCTCAAAGAACACTCAAAGACCCTCAAAGAACACAACAACAACAACAACAACAATGAAAAAAAA
Gelpain 2	NA_0171.6	Trigacate de la control de la
synthetase I	M12335	CTCAACGCCAACAATOTTCCTGCCACCCCAGTBGCTTGCCATCTCAGGAAGGACAGAATCCCAGCCTCTCTTCCATCAGAAAGTTGATAAGAGGGGAAGGGGAATGCTCATCAACAAGATGATGAATAGAGGGGAAATGCTCATCAACAAGTTCAACAACAAGTGAAATGCTCGAAATTGATCAACAACAACAATTGAAAATTGATTCCAAGATTCCAAGAGAAGATTCCAAGAAAAAAAA
Carbonic anhydrase II	X88284	INNEGECCTTTAGATECATECTCGACCGCCCCAGTGTGATGGATATTTGCAGAATTCGCCCTTCAGGGCTCTGAGCACACGTGAACAAAAAAAA

	NZZ413	TGGGANTTGGGCCCTCTAGATGCATGCATGCGCCCGCCAGTGTGATGGATATCTGCAGAATTCGCCGGGATCCAGGTCCAGGTCCATGATGAGA GGTGGCCCTCTTGAGACGTCCAGATTCCAGATTCCAGTTGCAGTGCAGAATTCGGAAATTCGCCGGGATCCAGGTCGATGGATG
Carbonic artrydraso III, sequenco 2	AB030829	ctaaoccagaagcaigaatticacaoctaaoctiitaataadaoctiitutaasaaaattajtattitagtataattaagtagaaatagggaaaattaaoctaaoct
	X84349	TIGOGAATTGGCCCTCTAGATGCATGCTCGACCGCCCCAGTGTGATGGATATCTGCAGAATTGGCCCTTTGACCCCCCCTTCCACATTGACAGCAGCCCTTCACAGCTTCCACATTCACAGCTCTCCACACTTCACACTTCACACTTCACACTTCACACTTCACACTTCACACTTCACACTTCACACTTCACTCACACTTCACTCACACTTCAC
Cerritire paintitoy-CoA transferase	L07738	ANTTGGGCCCTCTACATGCGGCCGCGGCCGCCGCGGTGTGGTGGTTGCGGAATTGGCCTTGGGGGATGCCTGGGGGATGCCCTGGGGGATGCCCTGGAATTGGCCTTGGGGATGCCCTGGAGATGCCTGGGATGGAT
Casetr-alpha	J00710	TTATCACATGATTACCAATTCAATTCCAATTACCACTTAACCACATTCAAGGCCAAGAATTCGGCAGGGGGGGG
	U14647	TIGGGANTIGGCCTCTRANTGCATGCATGCAGCGGCCCCAGTGTGTGTGTGTGTGTGTG
Сабразе 3	U84410	TTGGCGAATTGGGCCCTGTAGATGCATGCTCGAGGCCCCCCCAGTGTGATGGAATTCTGCAGAATTGGCGAAATTGGCGAAATTGGCGAAATTGGCGAAATTGGGGAATTGGTGT CGAGGTCAGGGATAAAATGGCCTTACTCGTGAAGAAATTGGGAATGGTGGATGGTTTCTTAAGGGAGTCACAGAGAAAAGGAGCAGTTTGTGT GTGTGATTCTAAGTCATGGAAATGATGAGGAACTTATTGGAACGGAACGGACGTGGAACTGGAAAAAATAATGTTGTTATCAGAGGCAACTACTGC CGGGGTCTGACTGGAAAGCCCGAAACTTTCATCATTCAGGCCTGCCGAGGTACAGAGCTGGACTGCGGTATTGAGACAGAC

		THE STATE OF THE S
Caspase 8	AF025670	TIGGGANTTGGGCCTCTAGATGCATGCACCGCGCCCCAGTGTGATGGATATCTGAGAGATTGGCCCTTGATGCATTGAGAGATTGAGACTTGATGCACTTGATGCATTGCACCGACCG
Cathepsin B	К В2398	NINAGGGATACCAATTCACACGGGAACCAGGTATTACGCCAAGGTATTAGGTGAACACATATTAGGTGAACACATATTCACACGGGAACCAGGAATTCATTGAATTCATTGAATACCAAGGGAACCACGGAACAACAAGGAATTCATTGAAGGCTGGGATCGAAGCACAATTCATTGAAGGCTGGGATCACTGAAGCATTCAAGAATTCATTGAAGTTCACATGAATTGATTG
Cathepsin L., sequence 2	S65164	GACCTCGACCATCGGGTTCTGGTGGTTGGTTATGGTTATGGTTATGGTTATGGTTATGGTTATGGTTATGGTTGTT
a a	103201	GAATGGGCCCTGTAGATGCATGCGGCCGCCGCTGTGTGTG
Caveolin-3	NM_019155	TATGACATGATTAGGAATTAATAGGACTACATAGGAATTACATAGGAGGACTACAGAATTATAGAATTAGAATAGAATTAGAATAGAATTAGAATAGAATAGAATAGAATAGAATAGAATAGAATAGAAGA
CDK102	Y17321	TATGACATGATTACGAATTACGACTCATA TAGGATA I 1964CL I CAGGACAGAANI I CAGACATGATTACAGATTATACGAATTACGAATACGAATACGAATACGAATACGAATACGAATACGATATACGAATACAATACAATACAATACAACGAATACAACGAATACAACGAATACAACGAATACAACGAATACAACGAATACAACGAATACAACAACAATACAAACAATACAATACAATACAATACAATACAATACAATACAATACAATACAATACAATACAATACAAACAATACAATACAATACAATACAATACAATACAATACAATACAATACAATACAATACAAACAATACAATACAAACAATACAAACAATACAATACAAACAATACAATACAAACAATACAAACAATACAAACAATACAAACAATACAAACAATACAAACAATACAAACAATACAAACAATACAAACAATACAAACAATACAAACAATACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAAA
Celidar rudelc acid binding protein (CNBP)	D45254	GCTATCXATGATTATGCCAGGCAGGCAGGCCAGTGAGCTGAGGCTGAGGCTGAGGGGGGGG
Ceruloplasmin	L33869	GANAGCGTTGGTAAANCGTGGTTGANTGGTGGAGTGATGATGATGATGATGATGATGATGATGATG

Cholesteral 7-elpha-hydroxylase	105509	GAMATTGNGCCCTCTAGATGCATGCTCGAGCGGCCGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTCATAGCTGGGGCCAGAGCTTCATCATTA
· financial in the control of the co		INCAGAMACANIENT INTENTIAL INTENTIAL INTENDA INTENDACIONAL INTENDACIANA
OH+38	M13011	CCTCTAGATGCATGCTCGAGCGGCCGCCAGTGTGATGGATATCTGCAGAATTCGCCCTTATCCAGCTGATCCAGAACCATTTTGTGGACGAGTATGATGATCAGATGATGATCAGAACCATTTTGTGGACGAGTATGATTGAT
Cliary neurotrophic factor	X17457	ANTTGGGCCCTCTAGATGCATGCTGGAGGGGCCGCAGTGTGATGGATATCTGCAGAATTCGGCCTTAGTCAGTGGATGGTGTGACCAGTGGCAGGCA
unfo	X17163	GCGAATTGGGCCCTCTAGATGCTCGAGCGGCCCGTGTGATGGATG
о-тус	X01023	NTNICNIVANGANGOCCTNTANATGCTGCTGGAGGGGCCCCAGTGTGATGGATGTGCGCAAATTCGCCGGGGATCCTGGGGGATCCTGGAGGAAACCCTGGAGGAAACCCTGCAAACCTGGAGGAAACCCTGCAAACCTGCAAACCTGCAAACCTGCAAACCTGCAAACCTGCAAACCTGCAAACCTGCCATGCTCAACCAGGAAATTATCCAGCACCCCCTCCAAACAGGAAACCGAACCAAGAAGTTACCAGCAACCTGCAAACCGAAATTATCCAGCACCCCCTCCAAAACGAAACCGAACCAACAAGAACCGCCCCAGGAATTCTCAAACCAGCAACCAAC
Cofilin	NM_007687	TATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGGGGGTCCCGGGGAGGGGGGGG
Collagen type II	1,48440	TICCGAATTGECCCTGTAGATGCATGCTGGAGCGGCCGCAASTGTGATGCATTGTGCAGAATTCGCCGGGGGATCCGGGGGGAGCAGCAAGGAGCAAGGAGCAAGGAGCAAGGAGG

Colomy-stimulating factor-1	M84361	Nacionale in Charcus concentration of the control o
Сотріветен сотропен СЗ	X52477	ATTGGCOCTCTAGATGCCAGGCGGCCCCAGTGTGATGGATGTTCTCAGAATTCCGGAGAAGGCGATGCAGAATGCTGAGCAGTGCCACAGGCGCCCCAGTGGAGTGTGCCCCACAGGCGCCCCCAGGGAGGCGATGCCCCCCCAGAAGGCCGAGAAGGCGTGTGCCACAGGCTGTGCCCCCCAGAAGGCGAGAAGGCGCACAAGGCGACAAGGCGACAAGGCGAAGGCGACAAGGCGAAGGCGAAGGCGAAGGCGCTGTGCCCCCCCGAGACGCGCGCG
Complement factor I (CFI)	Y18965	TCTCINCATEATACGAATTAATACGAACTCACICANCINASSIGNATT TOSCOCIO CANAGATTACATACGAATTAGTAGAAATGAAAAACACATTCCINCATCATACGAATTAATACGAATTAATACGAATTACCGGAGCACCTACCAGAATGAAT
Connexin-32	X04070	TGCGAATTGCCCTCTGAATTGCCCTCTTGCCAGCGCCAGGGGGGGG
Oydin D1	D14014	GCCCICIARA IGCATIC INVACUES CONCENTRATION OF THE TOTAL TOTAL TOTAL TOTAL CONTRIBUTION OF THE TOTAL TOTAL CONTRIBUTION OF THE TOTAL T
Oydin D3	D16309	GCGAATTGGCCCTCGCAGGGTCAATTGCATTGCATTTGCATTTGCAATTGCGATAGACGCCTATGAGGGCCAACCTAGATGGCCTG GCGAATTGGCCCCTCGCAGGGTCAATGCATTGCAT
Öydin G	X70871	GINTI TCHNIGGGGALIOTA MINICAGA CANADATO CONTROLLA CONTROLLA CONTROLLA CANADA CA

Oyciin-dependent kinsse 4 intibitor Pzīnap ((alternate done)	De6924	GGGCCGCAAGGGHTTNGGCTANNCNNCCANTTCGGAATAAAAGAAAAAGAGGTATTCCAAACCCACAGGGAAGAHGATTCATTCGGAAGAAAGTTTNTCGCCCGGGAAGAAAGTTTNTCGCCCGGGGAAGAAGTTTATTCGCCCGGGGAAGAAGTTTATTCGCCCGGGAGAAAGTTTATTCGCCCGGGAGAAAGTTTATTCGCCGGGAGAAGAAGTTTATTCAAAAAAAA
Cystatin C	X18957	GAGICIO II IAAAIN UGI AAIILEI IIINAAAWANNAN TOGOOCTOGAGGCCAAGAATTOGGCGCGGGGGGGGGGGGG
Cytochrome P450 11A1	J05158	GACCTGGGCTCAACTATGCCCAGAAAAGGCGACACTGTATGAAGG
Cytochrome P450 1A2	K03241	Aggi GGACCI BACANCCAGI NI GGAGAGI GACCAGI I BANGAGI April TARAAGI TATATATATATATATATATATATATATATATATATATA
Cytochrome P450 2C11	U33173	TATER CATANTA CRAATITATA OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CATANTA CRAATITATA CRAATITA
Cytochrome P450 ZCZ3	XD5448	IN SECTION TO THE CANCER CONTRIVENCE OF THE CONTRIVENCE OF THE CATEGORY OF THE
Cytochrome P450 2C39 (alternate done 2)	AA818043	TITITITITITITITITITITITITITITITITITITI
Cytochrome P450 2018	U48220	TCTCTATGACATGATTACAATTTAATACGACTCACTATAGGGGATTTGACCCTCGAAGGCAACAATTCACCACAGAGGATTATTCCTCTCTCT
Cytochrome P450 2E1	M20131	TTGACCCTAAGGATATCGACCTCAGTCGTGACAGTTGGCAGT
Decorlin	85965X	ANNIONTETATGACATGATTACGAATTAATACGACTACAGATATGGCCCTICGAGGCCAAGAATTCGGCAAGAGGCTICGGATACANTCAGAAAAAAAACCAAGAATAANTCGCCAAGATACANTCGCCAAGATACANTCGCCAAGATACANTCGCCAAGATACANTCGCCAAGATACANTCGCCAAGATACAAGATACAAGATACAAGATACAAGATACAAGAATGCCAAGAATTGGTCAAATTGTCTAATCTCATTCGCCTTCAATACAAACAA
Deoxycytidine kinase	133894	TIGGGATTGGGCCCTCTABATGCATGCTGGAGGGGCCCGATGTGTATATTGTGCAGAATTGTGCAGAATTGCCCTCTTABATGCATGCAGTCTGAGAGCCTCTABATGCAGGGGTCAGAGCCTCTABATGCAGGGGTCAGAGCCTCAGAGCCTCAGAGCCTCAGAGCCTCAGAGCCTCAGAGCCTCAGAGCCTGCATTGAGCAGGGTTGGCCATGCAGTTGGCCATGCAGTTGGAGTGGATTGGATTGGATTGGAGTGGATTGGAGTGGATTGGAGTGGAATTGGAGGGAATATTAT

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Otacytgycerd Kinase zaka	D/6588	TOTACRAGAGGACTRAGATORITOCTRAGACCATORICACIONATORICACIONATORICACIONATORICACIONACIONACIONACIONACIONACIONACIONACI
Disutifide Isomerase related protein (ERp72)	M86870	TIGGAATTGGCCCNNTAAATGATGGTCGAGCGCCCAGTGTGATGGATATCTGCAGAATTCGCCCCTATCCCGGGATCCAACGAGGACCAGTCA GGGTGGTAGTGGGGCACACCTTTTATCCCATCGTTGTACACCCCAAAAAGAGAGGTCTCATTGAATTCTTGCACCGTGGTGTGTGGGCAGCT AGGTGGAGCCTGTCTACACCAGCTTAGATCACAGGGCCAAAGGACTTGGTCATCGCCAAGATTGATT
DNA binding protein inhibitor 1D2	D10863	NIGATITTCACACAGININCACTATOCCATGATTACCCCAAGCTATTAGGTGACACTATAGAATACTCAAGCTATGAATGA
DNA polymerase beta	M13861	GEANTGNICTRITAGATIGCTICATCHAGGGGCGCCCAGNICTRIGATATGTGCAGAATTCGGCGTTTGGGGGAATTCGGGGAATTCGGGGAATTCGAGGAATTCGAGGAATTCGAGGAATTCCAGAATTCCAGGAATTCAGTTGATTCAGTTGATTCAGTTGATTCAGTTGATTCAGTTGAGTTGATTCAGTTGAGTTGATTCAGTTGAGTTGATTCAGTTGAGTTGATTCAGTTGAGTTGATTCAGTTGAGTTGAGTTGATTCAGTTGAGTTAGTTGAGTTAGTTGAGTTAATTAGTTAATTGAATTGAGTTGAGTTGAGTTGAGTTGAGTTGAGTTGAGTTGAGTTAATTAATTAGTTAATTAGTTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAGTTTGAGTTGAGTTAAGTTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAAAA
DNA tapoisomerase I	AF140782	ATTGGCCCTCTAGATGGATGCTCGAGCGCGCCAGTTGTATGCTGTGCAATTGCATTGCAATTGTTGCAATTGTTGCAATTGTTGCAATTGTAGATGGCGCCAATTGTAGATGGCGCCAATTGTAGATGTGCAATTGTTATAGATGTGCAATTGTTGCAATTGTTGCAATTGTTGCAATTGTTGCAATTGTAGATGTGCAAAGATGTTGCAATTGTTGCAATTGTTGCAATTGTAGATGAATTGTTGCAATTGTAGATTGAATTGTAGATGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATGAATTGAATTGAATGAAT
Dopamine receptor D2	X53278	TTACTCAAACCTATCAACTTGGTACCAGCTCGGATCCAGTTGTATACGGCCCAGGTGTGTTGTGAGTGGGCCAGATGGTAAACTTGCAAACTTGCAAACTTGTAAACGATGGATG
Dynamin-1 (D100)	X64531	TATGACATGATTAATAGGAGATTAATAGGAGATTTGGGCCACTGAGGGGAGATTTGGGCCTTCAAGAGAGAG

		TITI DE METITION DE LE CONTROL DE
ion factor-1 alpha	X61043	CACTATAGAATACTICAAGCTATGCATCAAGCTTGCAACCTAACTACTACTACTACAAGATCTGCAAGTTGCAACTATTGCATGCA
Emerlin	NM_012948	TRICTEGITICTREGECCTISTATION OF THE CONTREGECT CACCECTTC CAGGECCEGECCET CTGCCATGGCGCGTTGCGCGTTGCGCGTTGCGCGTTGCGCGTTGCGGCG
Endogenous retroviral sequence, 5' and 3' LTR	D90005	Transparation in Algania in Authoria in Augusta (Augusta) and a construction of the Augusta (Augusta) and a co
Erdothelin-1	M84711	ANTIGGECCCTT ABATTECT ABATTECT CARACTECTE CONTROLL STATES TO ACADE CONTROLL ANTIGGECCTT ABATTECT CARACTECT CONTROLL ANTIGGECCT ACADE ACADA
Epoxido hydrolase	X65083	TITACACTITAGECTACGACCATACT INVAVACUES OF SEASON TO TATACACTAGE AGGINE ACCATEMITACE CANGED TO THA INCACAGE AGGINE ACCATEMITACE CANGED TO THA INTERCACTAGE AGGINE ACCATEMITACACTAGE ACCATEMITACACTAGE ACCATEMITACACTAGE ACCATEMICACTAGE ACCATEMICACTAGE ACCATAGE ACCATAGATAGATAGATAGATAGATAGATAGATAGATAGA
Equilbrative nitrobenzylthiolnosine- sensitive nucleoside transporter	AF015304	TTATGACATGATTACGACTTATATACGACTCACTATAGGGAATTTGGGGACTCAANAGATTACGACAAAGGAAGGAAGGACCGGTGGAAGTTGGTGGGAATTGACGAAGGACCGGTGGAAGGAGCAGTTGGTGGAAGCACCGGTGAAGGAGCAGGAAGGA
Fas artigen	D26112	GGNICAGETTGET ACCIGACE LOGGATICACH NATIVE MAGAGGARANGET TICAGATTATAGGTICATTTGEGGTGGTGATGATCCCCCCGGTTTGG AGACATCCTTGGACTTGCCACCACCACCACCACCACCACCACCACTATAGAGTTCCATTATAGGTCCTTTGGACTGGTCTCTATATAGATGTTCCACTACT

Fortin H-chain	6285 0	GEATTGGCCHCCTAKAGCATGCTCGAGCGGCCGCTGTGATGGTGTGTGGAGATTCGCCCTTTTGGCCAGGCTTGACATTGGCCTTGGGGGGCTTGGGGGGCTTGGGGGGGCTTGGGGGG
Fetuin bela (Fetub)	NM_063348 **	TCTATGACATGATTACGAATTTAATACGACTCACTATAGGGGAATTTGGCCCCTCCGAGGCCAAGAATTCGGCAGGGGTACCCAGTCTAGGAGACTCTAGGAGACTCTCAGGACAGCTTCTAGGAGACTCTCAGGACAGCTTCAGGACAGCTTCAGGACAGCTTCAGGACAGTCTCAGGACAGTCTCAGGACAGGATCTCAGGACAGTTCAGGACAGTTTAAAAGACTCTGTTCAGGACAGTTTTCCAGGACAGGTTCAGAAAACTCCTTGATACAGAAAAACTCCTTCAGAAAAAACTCCTTCAGAAAAAAAA
Focal adhesion kinase (pp125FAK)	AF020177	TTGCGAATTGGGCCCTCTAGATGCATGCAGCCGCCGGTGTGATGGATATCTGCAGAATTCGCCCTTATCGCGTGTAATGCTCAATTGGGACTTGGGGATGCCAATTGGGCCTTTATCGCGTGTAATGCCCTTTGGGGATGCCCTTTGGGGTGGCCGCCCTCCACAGCTCCACAGGTAGCTGAATTGCAAATTCTCTAGAATTAACTAGTTAACTAATTAACTAATTAACTAATTAACTAATTAACTAATTAACTTGGTGTTATTTTTCTAAATTGCTGTTATTAAAATTTTGAAATTGCTGTTAAAATTGCAATTGGAATTGCTAATTGGAATTGCTAATTGGAATTGCTAATTGGAATTGCTAATTGGAATTGCTAATTGGAATTGCTAATTGGAATTGCTAATTGGAATTGCTAATTGGAATTGCTAATTGGAATTGCTAATTGCTAATTGGAATTGCTAATTGCTAATTGGAATTCGTAATTGCTAATTGGAATTCGTAATTGCTAATTGCTAATTGCTAATTGCTAATTCGAATTCGTAATTCGAAGGCTAATTCGAAGCTTAATTGGAATTCGAGGCGCGTAATTCGAGGGGGGGG
Four repeat lon channel	AF078779	GAGTITATAAAAAAGAATIAAAAGITGIAGAGATGAGAT
Gadd153	U36994	GGGNITCCACTAGTANCGGCCNGCCAGTGTGSTATTCGCCCTTATCGCGGATCCNTGAGTTTTGCCTTTTGAGACAGTGTCCAGGTG GGGNITCCACTAGTANCGGCCNGCCAGTGTGSAATTCGCCCTTATCGCGGATTCGCTTATTCGTCATATTCACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGA
Gadd45	1,32691	TINGGAATTGGGCCCTCTAAATGCATGCATGCAGCGCCGCGAGTGGATTGGATAATTCGCCCTTTGAGGATTTTGAGGATTTTGAGGATTTTGAGGATTTTGAGGAATTTTGAGGATTTTGAGGAATTTTGAGGATTTGAGGATTTGAGGAG
Gamma-actin, cytoplasmic	X52815	CTTIATGACATGATTACGAATTTACTACGACTCACTATGGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCGAGGGAATTGGCCTGGGAATGGTACAATGGTACGAGGGGAGGGA

Gap junction membrane channel	NM_017251	TATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCAAGAATTCGGCACGAGGAGCAGTTGCAACCAGGTGTGGCAG
protein beta 1 (G b1)		TGCCAGGGGGGTGTGATTGGGGGGGGGTGTGGTGGGGGGGG
Glucokinase	J04218	TTGCGAATTGGGCCCTCTAGATGCATGCTCGAGCGCCGCCGTGTGATGGATATCTGCAGAATTCGCCCTTTCACGATTCTTGCTTCCCAAGCGTG GGGTTTGCCCCCCCCCC
Glucose transporter 2	J03145	NATTCCGCCAAGTATTTAGGGCNCTATAGAATACTCAAGCTATGCATCAAGCTGGGTCCGAGCTGGGATCACTAGTACGCCCCCCCC
Glucose-regulated protein 78	M14050	GAATNIGECCTCTAGATGCATGCTCGAGCGGCCGCCAGTGTGATGGATATCTGCAGAATTCGCGGANCCCTGACTGACTGCAATCCTCG CTNCCCGTGGGGTACCCAATGACAATTGCAAAATTCATGCTGAATGGAATTCNTNIGAGTGGCANNTGAAGACAANAGGGGACAGGANACCTTCG CTNCCCGTGGGGTACCAATGACCAATGACCAATGGAAACTTGGAAAAAATTGAAAAAATTGAAAAATTGGAAAATTGGAAAGCTATGGAAAGAATTGGAAAGCTATGGAAAGATTGGAAAGCTATGGTATGCTTAGAAAACCAATGGAAATGGAAAGCTGTAGGAAAGCTTGGAAAGCTATGGAAAGCTATGGAAAGCTGTAGGAAAGCTGTAGAAGCAATGGAAAGCTGTAGAAGCAATGGAAAGCTGCAAAGCTGAAAGCAAATGGAAAGCTGAAAGCAATGAAAGCAAAAGCTGAAAGCAATGGAAAGCTGAAAGCAATGGAAAGCAAAAGCTGAAAGCAAAGCAAAAGCAAAAGCAAAAGCAAAAGCAAAAGCAAAAGCAAAAAGCAAAAAA
Glutamino synthetase	W29579	GCGAATTGGGCCCTCTAGATGCATGCTCGAGCGGCCGGTGTGATGGATG
Glutatrione peroxidase	M21210	GCCAGGTTATAGGTGNCACTATAGATACCAGGCTATCAGGTTGGTACCCAGGTTCGATTCAGTTCAGGCCCCGCCCAGGTGTGGTGGTGGAAATACGTAGGCCCCAGGTGTGGTGGTGGAAATACGTTGAGAAATACAATACGTTCGAATACATTCGAATACATTCGAATACATTCGAATACATTCGAATACATTCGAATACATTCGAATACATTCGAATACATTCTGAATACAATTCTGAATACATTCTGAATTCTGAATTGCTTGC
Giutatrions S-transferase P1	X02804	GCGAATTGECCCECTGAATGCATGCAGCGGCCGCCGGTGATGGATATCTGCAGAATTCGCCAGAGCTGGAAGGAGGTGGTTAACGAGTTGGCCAGAGCTGGAATGGCGGGAGGTGGTTAACGAGTTAGAGGTGGTTAACGAGTTGAATGGTGGGTTAACGATTTAACGATGTTAACGATGTTAACGATGTTAACGATGTTAATGGGAATGGTGAATTGAGGGACCTTGGTGAATTGATGGTGAATTGATGGTGAATTGATGGTGAATTGATGGTGAATTGATGGTGAATTGATGGTGAATTGATGGTGAATTGATGGTGAATTGATGGTGAATTGATGGTGAATTGATGGTGAATTGATGA

Glutathione S-transferase theta-1	X67654	INGCNCTATAGAATACTCAAGCTATGCATCAAGCTTGGTACCGAGCTCGGATCCACTAGTAACGGCCGCCAGTGTGGCTGGAATTCGCCCTTGTGTGGA
		TGAGTACCTGGCAACGATACGACCATTGGCAGAAGCTGTCTCCGGACCCTGTGGCATAAGGTGATGTTCCCGGTTTTCCTGGGTGAAT ACGCCGGGAGATGGTGGCAGCACATTGGCAGATTGGATTTAACGATACGGTGTGGTGGTGGCTGCAGAAAGAA
Gtutatrione S-transferaso Va	K00136	TGGCCCTCTAGATGCATGCAGGGGCCCCAGTGTGATGGATATOTGCAGAATTCGCCCGTCGGGGGATCCTGGAAAAGCTAAAGAAAG
Glutatione S-transferase YD2 subunit M13590	M13590	TINGGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGCCAGGGCCAGGGCCAGGACCAGGGCCAGGGCCGATGCCTTTGACACTTGGCGTCAGGGCTCACTGGGCTCACTGGGCGATATACAGAAGGTCAGAAGGTTGAAAATTGCAAAATTGGCCTTGGCGGCTACTGGCGGGAAAATTGGAAAATTGAAAATTGAAAATTGAAAATTGAAAATTGAAAAATTGAAAAATTGAAAAATTGAAAAATTGAAAAATTGAAAAATTGAAAAAA
Glycine methyltransferase	NIM_017084	TATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCAGGCGAGGCAGGC
Heme oxygenase	NM_012580	TINTGACATEATTCGATININAANCCGACTACTATAGGGGATTTGGCCCTCGAGGCCAAGATTCGGCACGAGGACCCGCTACCTGGGTGACTCTCTCAGGACCCGCTACCTGGGTGACTCTCTCGGGAGGATCGACAAGAGACTGCGGAGGATTGAAGACAAGAGACTGAAGAGACTGAAGAGACTGAAGAGACATGAAGACATTGAAGAGATGACCCTTGGAGAGTGAACAAAAACAAGAGAGAG
Hepatic lipase	місгаб	TTGGGAATTGGCCCTCTGGATGCTCGAGGGGNCCGCCAGTGTGATGGATATCTGCAGAATTCGCCGGGATTCGCGGGATTCCGGGATTCGCGGGATTCCGGGATTCCGGGATTCCGGGGATTCCGGATTCCGGGGGATTCCGGGGGATTCCGGGGGATTCCGGGGGATTCCGGTTCCTCGGGGGGAAAGAAGAAGAAGAAGAAATTACCAGTTCCTGGGGGAAAAGAAGAAAAGAAAAATCCGAGTTCCTGGTTCCTGGTTCAGTTCAGTTCATCAGCAGAAATCAGAAAATGCGAAAAGAAAATTCCCATCACTTATTACCAGTGATCACTGGACAAAAGAAAAAAAA
Нерагосую дгомп Гасол гесергог	X36786	GCGAATTGGGCCCTTAATGCATGCTCGAACGCCGCCAGTGTGATGCATTGCCGCAATTCGCCCTTATCGCGGGATTCCTCAAGTACTAGG GCGCTGCAGCACAAAAGTTGTCCCCAGCAAAAGTTTATGCGCACAAGAGCTTTATGCTGCAAAAACTGCATGTGGATGAAAATTCGCTGACAAGGGGTGCTGTTTGCCAGAAAATTCCTGACAAAATTATACGTTTTATGCAAAAACGGGTCCAAAACTACCAGAAACTACTGAAGTGGTTTTACAAAAGTGTTTTATACGTTTATATGCGTTTATATACCTTTTTTCTGAAAAGTGTTTCTTGGGGAGCTCATTGACAAAGTGCTTATATACTCTTATATACTTTTTCTGAAGAAGTTTTTCTTGCAAAAAGTTTTCTTGAAAAAGTGTTGCAAGAAAAATTTTTCTTGCAAAAAGTGTTGTTTGAAAAATTGCTGAAGTGTTGAAAAATTGCTGAAGTGTTGCAAGAAGAAGTTTTGCTTGC

amma	AA857422	TATGACATGATTACGAATTTAATACGACTGACTATAGGGGATTTGGCCCTCGAGGGCGCAGATTCGGCGAGGGCGGTGATCACCAGCCCAGCGGGCGTGATCACCAGCCCCAGCGGGCGCGTGATCACCAGCCCCCAGCGGGCGCGTGATCACCAGCCCCCAGCGGGCGCGTGATCACCAGCCCCAGCGCGGCTTGATCACCAGCTCCAGTTACCAGTTCCATATACCAGCAGCTCCAGATCACCAGAACATTACAACGGCGCACAACATGCCAGCAGCACATTACAACGGGCCTGAACCAGCAGAACATTACAGCTGCAACATCCAGATCCAGTTACAACAGCGTTAAATCCAGCTGCATTTCCCAGAACCAGAACCAGAACCATTAAATCCAGCTCACTCCTCCAGCTGCTTAAATCCAGAACCATTAATCCCAGAACCATACTTACATTCCAGAACTACTTCCTCCTTCAACTTACATTCCTCCTTCAACTTACTTCCTTCATTCCTTCCTCC
Hisbdine-rich glycopratein	AF194028	CACCTCATGGACTGCATGGACACCCCATGGTCACCATGGTCACCATGGTGACCATGCTCATGGTGACCATGGACACCACCATGGACACCACCATGGACATGCTATGCATGGACATGCCCATGGACACCCATGGACATGCTATGCAGGACACTTATGGACATGCTGTGACACCCACTGAGGAAAATTGCAAGGAAAATTGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAATTGCAATGCAATGCAATTGCAATTGCAATTGCAATTGCAATTGCAATTGCAATTGCAATTGCAATTGCAATTGCAATTGCAATTTGCAATTTGCAATTTGCAATTTGCAATTTGCAATTTGCAATTTGCAATTTGCAATTTGCAATTTGCAATTTGCAATTTTCAATTATTGCAATTTTCAATTATTTCAATTTTTTTT
HMG CoA reductase	X55286	GGGGBATTGGGCCGTGTAGATGCATGGAGGGCCCCCAGTGTGATGGATG
HMG-CoA syrdhase, mitochondrial	M33648	TATGACATGATTAGGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGGCCAAGAATTCGGCAGGGTTTCGTTGATTGA
Hypoxanthine-guanthe phosphoribosyltransferase	, , ,	CAATTGGGCCCTCTAGATGCATGCTCGAGCGGCCGCGGTGTGATGCATTGTGCAGAATTCGCCCGCTCGCGGGGATCCTGCTGATGGAAAA GGTGTTAATTCCTAGTGATGATTGTGGAAGAGGCGCTGCAAGAGATTGGAAAA GGTGTTAATCCTAGTGCTTTGCTGAACGACGGCTGAAAAGATTGCTAGAGAGTAGGAGAGATGCGATCAATTGTGAAAA TATCAGACTGAAGAGGCGGCGTTAATTGCTGACTGGGGGGGG
Hypoxla-Inducible factor 1 alpha	AF057308	GCGAATTGGGCCCTCTAGATGCATGCTGGGGCGGCCGGTGGATGCTGCCGGGAATTGGCCGAGGTCAGGATTCAGGCGATTCAGGCACATTCACAGGCATTCACAGGCATTCACAGGCATTCACATGCATG
D-1	D10862.	GEATTICESCCTIATICGNGGGATCCAAAGGGTTGCCATCTTGGCGGTTGGTGTTGGTGCTGCTGCTGCTGGTGGGACGAACGGGTGGGA GACGGTTGTGTTACGACTAAAGGGGTTGTAACGGCTGAAGGCTGGTGAAGTTGTGATGCTTGCT

		1 TO STANDARD SOLVE THE STANDARD
gE binding protein	NM_031832	TATRACATIGATA CONTRATA CONTRATA CONTRATA CONTRACTOR CONTRACTOR CONTRACTA CON
Ю-а	X63594	Tracciantrascoccictraciracicordecegococococomertes de la constanta de la const
insulia-Hise growth factor binding protein 1	M89701	TIGGGGGGCCTGTGGATGGATGGATGGATGGATGGGGGGGGG
insulin-like growth factor bholing protein 5	M62781	GAGAATTGGGCCCTCTAGATGCATGCATGCAGGGGGCGCCAGTGTGATGAATATTGACGAGATTGCACAAGGAATTGGGCCCTCTAGATGCAGCGAAGGAATTGAAAGGAATTGAAAGGAATTGAAAGGAATTGAAAGGAATTGAAAGGAATTGAAAGGAATTGAAAGGAATTGAAAGGAATTGAAAGGAATTGAAAGGCTTGCTAGCGCGGCAAAGGAAACGTGGCAAGCGTTGCAAGCGTTGCTAGACGAAACGTGGCAAACGTGGCAAGCGTTGCTAGACGAAACGTGGCAAACGTGGAAGCGTTGCAAGCGAAACGTGGAAGCGTTGCATGCA
insulin-like growth factor l	M15480	CGANTIGGECCOTCHAARTGATGATGAGGGGGCAARTGATATATATATATATATATATATATATGGTGGGGAAGGTGTTGAATTGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG
Insulir-like growth factor f, exon 6	543941	TATGACATGACAATTTAATAGGACTGACTAATGGACTGAAAACAAGAATTTAATGATGTGAAGAATTAATGAAGAAAAAAAA
integrin bela 1	U1230 0	TIGTGAATTGGCCCTCTAGATGCATGCAGGCCGCCCTCGGTGTGTGT
integrin bela-4	U60096	NCCTCTTTGAAANCSHITCSTAAAICAHTCATGAGGGCATGCCCGGACAGNAGGGCTNTGNACCCCANCGTNAGGGTATCATCNCCATCGA CCTGGCCTCAGTGAGAACGTTCCTTACAAGNTNAAGGTGCATGCCCGGACAGAGAGAGGGCTNTGNACCCCANCGTNAGGGTATCATCNCCATCGA NTNTCATGATGAGACCCCTTNCCACAGATNG

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interajpha-inhibitor H4 heavy chain (Nih4)	NM_019369	I INTEGRACIA INTEGRAL INTEGRACIA
Interferon related developmental regulator IFRD 1 (PC4)	NIM_019242	AAGTGATTACGAATTTAATGCAACTGACTGATGGGGAGTGGGGGGCGGAGGGAATTCGGCGAAGAATTCGGCAACAGAAGTGATTAATTCGGCTGAGGCGCAT CTGGCGAATCTTTGGCCACTTCTGTTTGAATTGGCCAGAGGAATGGGAGTGAACGGGATTGCAAAAGAAAG
mereukin-10	<i>92,620</i> 1	GCGAATTGGGCCCTCTAATGCATGCATGCAGCGCCGCAGTGTGATGGATACTGGGAGGGGAGCATTGAGAGATTCAGAGCTGAGTGCAGTGATACTGAGAGTGCAGTGAGTG
iron-responsive element-binding protein	MM_017321	TATGACATGATTAGGAATTTAATAGGAGTCAGTATAGGGAATTTGAGGAGGTCAAGGAT II USGCAAGGAGGAGGTGGTGGAGGTGGAGGTGGAGGTGGAGGAGG
JNK1 stress activated protein kirase	1,27129	GOGAÁTIGGECICITIAARTICARTICARTICARTICARTICARTICART
L-gulono-gamma-lactone oxidase	D12754	TATBACATRACEANTTACANTTAATACEACTCACTATAGGGGATTTGGCCCTCGAGGGCATATTCGCTATAGGGGCAGGAGGAGGAGGAGGAGGAGGGGGGGG
Uver fatty acid binding protein	V01235	INGNINITIGGGGCCTCT/GANGCATGCATGCTGGGGGGCCCCAGAGGGAAGGGAAGGG

ysyl oxidase	U11038	TGCGAATTGGGCCCTCTAGATGCATGCTGGAGCGCCCGGTGTGATGCTGCAGAATTCGCCCGGGATCCGCGGATCCGTGGGAGGGGCCGG AGATGGGCCGTCCCCAGGGGATGCGCGCGTAACAACTTAATTCACTTTTCACATTCCACGTTCGAAGCAAACTGCAAAGCAAACTACAAAGCAAACTACAAAACAAAC
Macroptage Inflammatory protein-1 alpha	U22414	GCGAATTGGGCCCTTCAATGCATGCATGCATGCATTGGCCAGTGTTGCAGAATTCGCCCTTTATGCGCGGATCCTGGCGGTTGGAACGGGGATTCGCCGGGGATCCTTGGAACGGGGATTCGCGGGATTGCAGGAACTCGAGGAACTCAGGAGGCAATTCGAGGAAATTCAATGGTTGAGAAATTCAATGGAACGGAAATTCAATGGTGAGGAAATTCAATGCTGAACATTGAATTTTTGAAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG
Macrophage inflammatory protein-2 alpha	D45965	CCGGCAGTGTGGGATTGGCCTTGNCGGATCGCCCAGCTCGTGATGGTGATGGTGCTGCTGCTGCTGCTGTGTGCTGCAGGGGATGGGGATGGGGGATGGGGGGGG
Malate dehydrogenase, cytosolic	AF093773	TICTATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAGGAATTGGGCAGGGGCGTGGTGGCGGCGCTGGTGACCCTGGTGACCCTGGTGACCCTGGTGACCCTGGTGACCCTGGTGACCCTGGTGACCCGTGATGACTGGTGACCAGGTGATGACTGGTGATGATGATGATGACCAGGTGATGATGATGATGATGATGATGATGATGATGATGAT
Майс епгулпе	мзсбөв	CTATAGATGC/TGCAGGGGCGCGCCAGTGTGATGGATATCTGCAGAATTGCGCCTTGCTGAGAAGGCTGCAAGGAGGGAG
MAP kinase kinase	D14591	ATGCCGAATTGGGCCCTCTAGATGCATCCAGCGGCCGCCGTTGTGATGGATATTGCCAGAATTCGCCTTATGGCGTAGATGGCCTGAGAATTGCGCTGAGAATTGGCGTAGAATTGGCGTAGAATTGGATGAGAATGGCCCATGCTTGCT
Maspin	U58857	GGGCCCTITICAATICCAGGCCGGGGCCGCTTTGAATATTCCGAATTCTGCAGATTCTCAGAATTCTCTAGAATTCTTTGAATTCTTGAATTCTTGAATTCTTTCT

		TATESCATESTATESCAATITAATACGACTEACTATAGGGGAATITGGCCCTCGAGGGCCAAGAATTCGGCACGAGGAAAGTCTTAAGGCCTGAAGTAAC
Marin F/G	100770 WN	TRACCTGANTGAGCCGGGCCTGAGAGTTTAGTTCTCCAAGTCCTTGGAAGGTNTDCCCAGCGTAGGCCTAGTCCTUGAGCAGATCTCAAGAGTTTAGAGCCCTAGTCCTTGAGGCCTCAGTCCTTGAGGCCTAGTCCTTGAGGCCTAGTCCTTGTAGGCCGGGAGCTGCTGTTGTAGGTTCCTGTTGCTTGTTGTTTGT
	X917.85	<u>ANULIS DE CONTROLO DE LA TRADAT GENT GENEGO GENEGO ENTENTATO DE CONTROLO DE C</u>
Madrix Inecardprocertexe-1		GGGCCTTGCTTGTTTTAGAGGCCATGGGAAACCAATGCT ACTGCAACCAGTGTTCAGAGGTTTCTAACCATGGGGCTCCTTGGGGTTCCTTGGGGTTCCTTGGGGTTCCTTGGGGTTCCTTGGGGTTCCTTGGGGTTCCTTGGGGTTCCTTGGGGTTCCTTGGGGTTCCTTGGGGTTCCTTGGGGTTCCTTGGGGTTCCTTGGGTTGGTTCCTTTGAGGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGAGGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGTTGGGTTGGGTTCCTTTGGGTTGGGTTCCTTTGGGG
		CCCTCCAGCCTCCCCTAGTCCCTAATTGGCTTCTCCACCCTCCAACCCTTTTTTTT
	•	TCTGACCTTACAGGCAAAGGCCAAATGGGGTCATCTGCTTCCTTC
Melanoma-associated antigen ME491	NM_017125	TCTCTATGACATGATTAACGAATTTAATACGACTCACTATAGGGAATTTGGCCCCICGAGGGCCAAGAATTTTCCTTCAGATCTCTCAGGGCCAGGGCCAGGG
		AGATCGCTCAGTGGTAAAGCCCTAAGGGTGTAAGCTTGAGACCCCAGATTGACCCCCAGAAACCGCAGAAATGTGTGAAAGAGAAAACAGCACCAACAAAAAAAA
		ANIMITICATION IN CONTROL CONTR
		CGATTCTTGCTGCATCACATTGCGGCTGTGGAAACGATTCTTTGTGGAGGTCCTGGGCATTATCTTGTGGAGGTCCTGGGCATTGTTCTGTGTGTTTTGTGGAAGGGGCTCTTGGGGGGTCCTGGGCATTGTTGTGGAAGGGGTCCTGGGCATTGTTGTGGAGGTCCTGGGCATTGTTGTGGAAGGGTCCTGGGCATTGTTGTGGAAGGGTCCTGGGCATTGTTGTGGAAGGGTCCTGGGCATTGTTGTGGAAGGGTCCTGGGCATTGTTGTGGAAGGGTCCTGGGCATTGTTGTGAAGAAAAGGATTGTTGTGGAAGGGTCCTGGGCATTGTTGTGGAAGGGTCCTGGGCATTGTTGTGAAGGAAG
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		AddregaceOptoConfOcAPTTCTGGAMGUTTCATACCCTGAGGGCCGAGCCTCAGGGTGACTTCAGGTTCAGGTTGAGGGTCACAT
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		AGTOTCTCTGGAACACCAGCCGATCCCACTGTTCGGGGAACACTGTGCCGCAAAGTCGGCGCGCGTCACACGTGTGCACACACA
		ATGTAATGGCGGCCGTCGTAAGAGTCTTGCCTTATTACCCGCGGGGGGGG
MHC class II antiden RT1.B-1 beta-	X56596	GGGGNTATGACATGATTACCAATTTATACACACTCACTTAGAGGAATTTGGCCGTGAAGGCCAAGATTCGAACACACAC
chain		TTTCCGCATCAAATCTCGCAATTCTCAAACATTANAAAAATTNINCANACCANCCANGATTAAAAACCAAATTTTTTNGGGANAAAAGGAAAAAAAAAA
		THANGGGGGGGGCCCANTTCATTMANGGGNAAANUCCCCITTTTATATTTTTTTTTTTTTTTTTTTTTTTTTTT
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Monoamine oxidase B	M23601	GTGATCAAGCAAGCINIAGGAIIAAGGINAGGATGTGCCAGCAAGACCCATTACCAACACCCTCCTGAAGAGACACTTTGCCTTCTGTACAAGATTGCCTTTTTAAAGATTAAAGATTAAAAATTAAAAAAATAAAAAA
		CTAAAGCTGCTTGGATTGACCACCATCTTGTGACCAAGCTCTTGGTGTTCCTGGCCCAAAAAATCTGAAAGGTGCAAGAAATTTGGAGTGAA
		AGGACCATATCOACATTCOTATCATATCATATCATATCAT
		ACAGGETETETETECAACCTACCGCTATGCACATACTACTACTACAAACCCTACTGCATTGCTTGTTTGT
		CTGCAGGGCCAAGGGCGAATTCCAGCACACTGGGGGGCCGITACTAGTGGATCCGAAGCCGAAGCGCGAAGCGGAATCCGAAGCGCGAATCCGAAGCGCGAAGCGGGAATCCGAAGCGGGGGGGG

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Mullidrug resistant protein-2	L16079	ATOCCATGGGGGGCGGTGTTGCTGGATGGTCAGNAAGGAAAGATGATGTGCAGGGTCGGGGCTCACTTTGGCATTGTTTGGCAGAAGGCCAGAAGGCCAGAAGGCCAGAAGGCCAGAAGGCCAAGGAAGGCCAAGAAG
Mutt. homologue (MLH1)	U80054	GANTIGGOCCTCTAGATGCATGCTCCAGCGCCCCAGTGTGATGGATATCTCCAGANTTCGCCCTTCGCGGGATCCTTACCGGAACCAGCACCAGCATTGCAGCACCAGCACCAGANTTGGCCCTTCGCGCATGCTCAGCAGCACCAGCACTTGCAGCATTGTTGAGTTGTTGAGACTTGCACATGCATG
	M25889	TITIGAGAATOGGGCCCTCTAGATGCATGCTCGAGCGGCCGGCGGTGTGATGGATATTCGCAGAATTCGCGGAATTCGCGGAATTCCTCAGAGCCGACCAGGGCCGAGCTATCGCGGAATTCCCTCAGAGCCGACCAGGGCCAGGTACCTCAGAGCCGAGCAGGCCAGGAGAGAGA
fase	D00636	TATGACATGACAATTTAATACGACTCACTATAGGGAATTTGSCCCTCGAGGCCAAGAATTCGGCAACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
e j	L35317 **	TCTCMTATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGGGAAGGTTTTTTAATTGT ATTTACTGTGTAATAGCAGTCTAGGAATTGTGTTAGCAATTAACTGTCACCATTTCCTTTGCTCTAATGTAAATGCAAAATGCAAAATG CTCCAAGGGTGAACAATCACTATGTTCCCCGTAAGGGTAAAGGAAGAGCTCACCTCCCTC
tase	M10088	NGNGNGNINTGGCGGNANGNNGTNINGCNTYGNGANCNANGGTGANAAAAAAAAAAAAAAAAAAAAAAAAA
N-cadherin	AF087593	GCGAATTGGGCCTCTAGATGCATGCTCGAGCGGCCGCCAGTGTGATGGATATCTGCAGATTCGCCCTTGGAGCCTGATGCCATCCAACCTGTGG GAATCAGACCGCTAGACGAGAGCCTTACCAGGCTGAGCCAGTGTCCGATCCGATCCGATCCGACCCCACCCCAGGGCATATTGGCCTTCATTA ATGAGGCCTTAAAGCTGCTGACATGACCCCACGGCGCCCCACCAATGAACTCCCAATTGACTTCAGCTTATAGTTCAGTAGGGCAGCCCCCCGGCTGGC CCTTCAAGCTCTCAACTCCTCCAACCGCGCGGGGGACTATGAACTAATGAACTAATTGACTGGGGACCGCTTCAAGAAGCTGGCCCCAATGT ATGGTGGTGGTGATGACGGCAGGGGGGGGGG

		TATGACATGATTAOGAATTI AATAGGACTCAGTATAGGGAATTIGGCCCTGGAGGCCAAGAATTCGGCAGGAGGTTAATGCTACAGTGGACTGGACTCTC ACTTTGGAATGAGGCCCTCCAAAGGCACAAATGGTTCGAATACTAAAATTCAAACAAGCAAATTAAAGAAAAAAAA
NGF-inductive anti-proliferative putative secreted protein (PC3)	M60921	TIATIOACATIGATIACGAATITATIACGACTAGGGGAATITGGCCCTICGAGGCCAGGATTCATICGGGTCCAGGTTACGAAGGCTTAATACGACTAGCAATTAATCGACTAGCGAATTACGAATTAATACGACTAGCAAGGGTACTTACCAAGGGTACTTACCAAGGGTACTTACCAAGGGTACTTACCAAGGGTACTTACCAAGGGTACTTACCAAGGGTACTTACCAAGGGTACTTACCAAGGGTACTTACCAAGGGTACTTACCAAGGACCGGAACCCGAAGGGTTCCATTCTAAGGTTAAAGTTAAAGTTAAGGTCCCCAAGGCCCGAAGGCTCCCTGGTCCAAGGACCCGAAGGTCCCCAAGGTCCCCAAGGTCCCCAAGGCTCCTGGTCCCTGGTCCTTAAATCTGTTCCCAAGGCTGCCCCGTTTTAAAATGCAAGAACCAAGACTTTTAAAACTATTAAAAGAAGAAGAAAAAATTAAAAAGAAAAAAAA
N-hydroxy-2-soety/amfroftuorene suffotransferase (ST1C1)		TATGACATGATTACGAATTAATACGACTAATAGGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCAGGGGGCTTATTACTAATACTAATAGAA TAAAATGCTGCCTGGTGACCCTGGTGACATTGAGGGAATTTGGGGAAAGTGCTGTGGGGGCTCCTGGTATTGACTAAGAGAAATAGAAACAAGACAACAAGACAACAAGAAAAAAAA
NIPK	A8020967	TATIGACATGATTACGAATTACTACTACTCACTATAGGGAATTTGGCCCTCGAGGGCCAAGAATTCGGCAAGAGGGCCAAGAGGCCGGGTGCGGGGACCGCCTCGGGGACCGCCTCACTACACAAGGGCCGCGCGCG
Nucleoside diphosphate kinase beta isoform	D13374	GCGAATTGGGCCCTGTAGATGCATGCTGAACGGCCGCCAGTGTGATGGATATTGGAGAATTCGCCCTATATGAGGGATTCGAGGAAAGGGAGGG
Nucleosome assembly protein	AF062594	TICTGALCATGATTACGANTTTAFTACGACTATAGGGGATTTGGCCCTTCGAGGCCAGGAATTCGGGAAGGCATGTGGTTTGATTATTATTATTATTATTATTATTATTATT
Octamer binding protein 1	U17013	capocaggigatgytgacagocidogotlacagadocagocgotgotdocaaagagdcaaragtigocagocagidtigdgotagotgotgotgotgaaraacoaggouquagusoocu acagtigotgotgaaggutotactoagidocaaocoggggacoctgotgotagagoogocgatgagaacagtacadggcaaocatteaagdctgottagotgotdocaataacalctbygat gcaadgggaacotggattopocaatgcaggaggagococcaacatorggadcgcoctdgttotgaaocutcagaacotdctgotocaccagcaaocagtaggttoggttogotocaacaacatorggadcgcoccaacaacatorggadcgcoccaacaacatorggadcgcoccaacaacatorggadcgcoccaacaacatorggadcgcoccaacaacatorggadcgcoccaacaacaacaacaacaacaacaacaacaacaacaac

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		CTACTCGATCACACACTACCTGGGTATATGGTTCTTCTGAGGTGTATCAAGCCTGAAGAAGAAGTGGCTTGGGATTGGATTGGATTACATTGGGCAACCTGAAATGTGGTGAGCCCGGGGCC GAGTATTCGCTGGCATTCCGGCCACTTACTTTGGGCGCTTTGATAGACAGAACCTGTTTACATTGGGGAACCCTGAAATGTGGTGAGCCCGGGGCC
		ATGCAGGATGTACAATATAAATAACTTCAGGCGCATTTACCTAGTGTTGCCTGCAGCTCTTACAGGATCAGGCTATCTCCCTGCACTGCACTGTTCAGAAAGTGAAGAAAATGAAGAAAAATGAAAAAAAA
		ACTIALGAGGAAATICCAGGGGGAATTCCAGCACACTGGGGGGACGTACTAGTGGAATCCGGAGCTCGGAACCAAC
transporting	L19031	ATAGAATACTGAAGCTATGCATCAACTTGGTCCGAGCTCGGATCCACTAGTACCGGCCGCGGTGTGCTGGAATTCGCCCTTCGCGGGATCCAACTGG TTTCCAATTCTGCGCTTGGTAAAAAAGGTCCTGAGTTTTAAACAGGCTTGCAGTACTTTTTAATCTTAACAATAATTATCAGTTTCATGAGTTTCATCATCATAATAA
polypepude 1		ACACCATACOTIGGGTACATIGTITITITICAGGTGTGCAAGTCTGAAGAAAGTCACTTGGAGTTGGATTACATACA
	,	GETATTCCCGCACCTGTTTACTTCGGCGCTTTGATAGACAGAACCTGTTTACATTGGGGGAACCCTGAAATGTGGTCAGCGGGGGAACATGTGAGCAAGAATGT
		ATGACATAAACAGTTTCAGGCACATTTACCTGGGGTTGCCTATAGCACTAAGAGGATCAAGCTATCTGCTGTCTGCTTCTTCTTCTGGCAAGAGGCACAAGCACATTCAC &&&TTCCAGTTTCCCGGGGACATTGACTCTTCAGCAACTGATCATACAGAGATGATGGTGCTCGGAGAGAGGCAAGGGAGAGGCACAGCACAGATGTGCAAGCTTT
		GGCCAAGGGCGAATTCTGCAGATATCCATCACACTGGCGGCCGCTCGAGCATCTAGAGGGCCCAATTCGCAAA
Organic cation transporter 3	AF055286	GCBAATTGGGCCCTCTAATGCATGCATGCATGCAGTGTGAATGTGAATTGCAAATTGCAAATTGCCCTTAATGCAGCGCTAAATGCAGGGGGAAATGCATGC
,		CHILCHANDERNOCH INAVARI II I
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		GGTGCAGGACTTGGGGTGCCTCCAGAGAGGATTATCTATGCAAATCCTTGTAAGCAAGTGTCTCAGATCAAGTATGCTGCCAGTAATGGAGTCCAG
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Osteoactivin	AF184983	<u>GNGGGTATGACATTACGAATTATTATTATTACTACATTACTACATTTGGCCCTCAGGCCAAGATTCGGCCGCGCGGCGCGCTGCTTGATTATATTATTATTATTATTATTATTATTATTATTAT</u>
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		AGBAGGCCGTGTGCAGGCAGCCCTAACCAGTGATTCACCGGCCTTTGGTGGGTTCCAATATCACTTGTAACGTGGTGTTCCCCAATTGCCAA
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Osteopontin	M99252	TIGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGCAGGCAG
		(ATGAGICAAGICAAGICAAGICAAGICAAGIGISAAAAAAGAGIGAAGICAAGIC
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p53	X13058	TIGGGGATTIGGGCCTCTAGATGCTTGAGGGGGGCGGCGGTGTGTGATGTGGATATCTGCAGAATTGGCCTTTAGAGAATTCAGGAATTCAGGAATTCAGGGATGGGGT Aqqaqagagtggtggtggtaggtggggggggggggggggg
		GCATGAACCGCCGGCCCATCCTTACCATCATCACCGTGGAAGACTCCAGTGGAATTTTGTGGAACGACGGGATGGGAACAGGTTTGGTTTTGTGGAACAGATTCGTTTTGAAAAAAAA
		GTOCTIGGAGAGACCIG ICCAGAGAGAGAGAAAAAAAAAAAAAA
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		GCTTGGCCAAGGGCGAATTCCAGCACACTTGGCGGCCGGTACTAGTGAATCCGAGTCGGTAACAAACTTGATTAAGTGGCGAAACAAAC

26CDC	U05341	NACTCAAGCTATGCATCAAGCTTGGGACCCGGATTCCACTTAGNAGGCCCGCAGTGTGCACTGNAATTCGCCCTTGCGGGGGAAGTGGGGGGGGGG
PAR Interacting protein	08580	CTATGACATGATTACGAATTTAATACGACTCACTATAGGGGAATTTGGCCCTCGAGGGCCAGGAGTGCAGGGGCTTTCTTGGGCATGCTTCAAGG CAAGCAGCAAAGCTGCAACAAACCTCCAGCAAGGGAATCACTCGTGTGGCTCCAGTTGCATTCATAGGAGAGGGGAGTTCATTGGTT GCGGTGCAGCGTCCAAGGAAGAAGAAGAAGAAGAATTCCTTGTGTGACACCAGTCCCATTAGCAAGGGGAGGAGAGAAAAAAGGGATTCT TGCCAGAGACCAAGAAGAAAGAAAGAAACTTAAATCTGAAGCATCACACTCAAAAAAAA
Paraoxonase 1	U94658	TTGGGAATTGGGCCCTGTAGATGCATGGTGGGCGCCCCGATGGTGTGGTATGCAGAATTGGCTAGTGCGGGAAATGTATTGGTAGGGGAAATGTAGTGGCGGAAATGTAGTGGCGGAAATGTAGTGGCGGGAATGGCGTGATGGCATTGCCTTGATGGCATTGCCTTGATGGCAATGGCAATTGCTGATGGCAATGGCGAATTGCGCTGATGGCAATGGCAATTGCTGAAGGTTCCCTTGATGAAAAGGTTCCTGATGGAATAGCTTGAAGGTTCCTGGTGAAGATTGAAAAGATTGAAAAGATTGAAAAGATTGAAAATTGGAAATGGCAATGGCAATGAGCTTTGAACATTGGCAAATGGCAATGAGCTTTGAAAAGGTTCCTGTGGAAAAGGGGAAATTGGAAAAGTGCTCTGGGAAAAGTGAAATGGCAAGGTTTAGTGCAAAGTGAATTAGTGAAGGTTTCCAAAGGTTTCCAAAGGTTTCCAAAGGTTTCCAAAGGTTTCCAAGAGGAAATTGGAAAAGGTTTCCAAAGGTTTCCAAAGGTTTCCAAAGGTTTCCAAAGGTTTCCAAGAGCTGTTTCAAAGGCCGAATTGCAAGAGCGCGAATTCCAGCACATGCCAGGCCCAAATTAGTAAAGGCACAATTGCAAATGCTTGGCAAATTAGCTTGGCAAATGCTTGGCAAATTAGCTTGGCAAATGCTTGGCAAATGCTTGGCAAATTAGCTTGGCAAATGCTTGGCTTGGCTTAAATTAGCTTGGCAAATTAGCTTGGCTTAAATTAGTTAAATTAGCTTGGCATAATTAGTTGAATGCTTGGCTTAAATTAGTTGGTTAAATTAGTTGGTTAAATTAGTTGGTTAAATTAGTTGGTTAAATTAGTTGGTTAAATTAGTTGGTTAAATTAGTTGGTTAAATTAGTTGGTTAAATTAGTTGGTTAAATTAGTTGGTTAAATTAGTTGGTTAAATTAGTTGGTTAAATTAGTTGGTTAAATTAGTTGGTTAAATTAGTTGGTTAAATTAGTTGGTTAAATTAGTTGAATTAGTTGAATTAGTTAAATTAGTTAAATTAGTTAAATTAGTTAAATTAGTTAAATTAGTTAAATTAGTTAAATTAGTTAAATTAGTTAAATTAGTTAAATTAGTTGAATTAGTTAAATTAGTTAAATTAGTTAAATTAGTTAAATTAGTTAAATTAGTTAAATTAGTTAGTTAAATTAGTTAAATTAGTTAAATTAGTTAAATTAGTTAAATTAGTTAAATTAGTTAAAATTAGTTAAATTAGTTAAAATTAGTTAAATTAGTTAAAATTAGTTAAAATTAGTTAAAATTAGTTAAAATTAGTTAAAATTAGTTAAAATTAGTTAAAATTAGTTAAAAAA
Peroxisomal 3-ketoacyl-CoA thiolass	M32801	GAACCAGCTATGCCATATTTACGCCAAGCTATTTACGCACTATACAATACTCAAGGTATCGCTCACGTTCACGTTCACGTTCACGTATCACTCATCACTCAC
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Phase-1 RCT-102	TITIGACATGATTACGAAITTAATACGACTATAGGGAAITTGGCCCTCGAGGGCCAAGAAITCGGCACGAGGTGAAGATGAAGAACAACAACAACAACAACAAGAATTTTGATAGGATTTAATAGATTTTGATAGAATTGACCTTCCTT
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Phase-1 RCT-108	ITTATGACATGATTACGATTTAATACGACTCACTATAGGGAATTTGGAGGCCTTGGAGGCCAAGAATTCGGCACGGGGAGGGA
Phase-1 RCT-109	TCTCAAAGTGATTTTCCCAAGANTAGGACTCACTATAGGGAATTTGGCCCTCCAAGAATTCGGCACGAGGAGGAGAGAGTTAGGCAAGAATTCAGGAGAAAGTTAGGCAAGAATTCAGAGAAGAATTCAGAGAAGAATTCAGAGAAGAATTCAGAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAA
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Prase-1 RCT-112	TIATGACATGATTACGAATTIAATACGACTCACTATAGGGAATTIGGCCCTCGAGGCCAGGAATTCGGCCACGAGGTTTTTTTTT
Phase-1 RCT-113	TGGGAGGGCGCTTGTAGGGGGGGGGGGGGGGGGGGGGGG
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Phase-1 RCT-115	GTGAGAGTGATTAGGAATTTAATACGAGTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCAGAGGGGCGCATGTTTTTTTT
Phase-1 RCT-117	TITOCIGITICITATITIGGEGGGGTATINIACGGGAAGCATGTTAACGAGGCTTTCAACGGTGNAGACAGGACTTCCAGTCTCCAGTCTCCAGTCTCCAGTCTCCAGTCTCCAGTCTCCAGTCTCCAGTCTCCTAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG
Phase-1 RCT-119	TOTATGACATGACTATACGACTTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCAGGAGGAGGAGGGGGTGCCATGAGGGGGTGCCATGAGGGGGTGCCATGAGGGGGTGCCATGAGAGGGGTTGCAGGAGCTACGAAAGAATGGCTTGCAGGAGCTTGCAGAGCAGTACGAAAGAATGGCTTTGAGAGCAGCTTGCAGAGCTTGCAGAGCTTAGAAAGAGTGCTTACAGAGCTTGCAGAGTTGTTAGAGCCCTTACAGAATTGTTAGAGCCCTCACTGTTAGAGCCCTCACTGTTTGCAGGATTTGTTGTTGATAGAGAATTGTTGTTGATAGAGCTTGTTAGAGCTTGTTAGAGCTTGTTGCAGAAATAAAGATTGTTGTCAATGCTTAGAGCTTAGAAGTTTTGGGAAATTGTGCTAGATTGTTGCAGAGCTTAGAAGAAATTGGGAAAATAAAGAATTGTGCAATGCAAGAAGCTAGAAAAGAGCTATAGAAGCTTAGAAGAGCTTAGAAGAATTGTGGGAAAATAAGAGTTTTGCTGAAGAATTAGAGAAATTAGAGAAATTAGAGAAATTAGAGAAATAAGAGATTAGAGAAATAAGAAAGAAG
Phase-1 RCT-12	ONTIATGACATGATITACGACTCACTATATAGGGGATTTGGCCCTCGAGGCCAAGATTCGGCCGAGGCTCATTCGGCTGATTCAGGTCACTTACTGGTCACTTACTGGTCACTTCACTCATTCACGGTCAATTCAGGTCACTTACTGGCTCATTCTTGTCAAGTTGGATGGGTCACTTACTGGCTCATTCTTGTCAAGTTGGATGGA

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Phase-1 RCT-121	TATGACATGATTACGACTTCACTCATTACGACTCACTATAGGGAATTTGGCCCTCGAGGAATTTCGGCCAGGGGAAN LCAGAAN LCAGAAN LCAGAAN LCAGAAN C TCCCTCTCTGAGCCCTCTGCAGCCTCCTCTTCCCCCAGGTCCATTGTTCCTCTTTTCCTTTAAAAAAAA
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	GCGCCCTAGCCCCCCTTTCCTTTCCTTTCTTCTTTCTTCTTCTCTAGAGGTTTAGAGGTTTAGAGGTTAGAGGGTTTTTTTT
	TICOGATTIAGGGGTACTICGACCCCAAAAAACTITIGATTANGGTGATGGTTCAGGTAGGCCCGATTGAAGGTACCCCGATTGAAGGTACCACCGTTA
Phase-1 RCT-127	INTNINITION TRACTOR TO THE METER AND THE MET
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	AAGTETTTAATGTCTACTGTGACACCCAATCAGGCACTCCACGGACATTAATTCAACGCGGAAAGATGGCTCTCAAAACTTCAACGTGGAAA
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Phase-1 RCT-129	TTATGACATGATTATGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGACTTCGGCACGAGGGTGATGATGATCATCGATGATTAGATTATGATTTAGATTAGATTTAGATTAGATTTAGAT
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	CGAGGTCAGGAGATGCTAACATGTCAAAAAGTTGAGAGCATTAATGTGAGAGTATTAATTA
	CTTGAAACTTAAACCAATTCAAACTGACTGATTTGGTTCTACCGATAICTTCCTTCTCTGCTGACGAGAGCTGAAACTGAAAACTGAAAAAAAA
Phase-1 RCT-136	AACATGATTADBAATTTADTACGACTCACTATAGGGAATTTGGCCCTCGAGGCCATGAATTCGGCAGGAGGGGTCCCACAGACTCTTCGAGATTGTACC
	CTTCTCA6CTCTATACTGGTTCAACTATGAGCTGGTTGAAGACCAGCTGAATGACAAAAAAAA
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	OCOAGGATCATCAAGGCTGOSCCCTCCTGCGCCATCATGAGCACTTAGGAGTTTGGCAAAAGGTTTCTCCACAGGCTCAACCAGGAGCGCTC
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Phase-1 RCT-137		TTATGACATGATTACGAATTTAATACGACTCACTATAGGAATTTIGGCCCTTCAGGCCAAGAATTTCATGGTGGCAGGAAGCCAGATATCACACAGACAA
		ATTICGEGGGTTACCTTTTGACCATTGCAGTCTCTCTCCCAGCCTTTTGTCTACCAGTTCTGCACCGGGAGGTGTGTGT
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Phase-1 KCI-130		CAGAGOCTECTGGTGCTTTCTGTTCCTTGTCTCTGTGTGGGAGGATTAAGTCCCGTACAGGGGATTAAAAAAAA
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Phase-1 RCT-140		TATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTCACGAGGCCAAGGAATTCACACAGAGGAAAAACGAGAAGGAATGGTAA
		GGTAACTTGGGTGGAGGGTGGATGACGGAAATGCCTCAACATGCCAAATGCCAAAATGAAAAAAAA
		CTTACCECTGTEGACCTACCACCACCACTGGGGGACACTCATTACTACCACGACACCACCACGACGACACACAC
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		ATTETEGESCOCOTATTTTGCCAGACATAAAGGTACATACTTCACTCATGAAGCCAAAGGAGCCGATGACGCAGACGCAGACGCAGACGCTATAATCA
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		AGTGGAGAAACTGAGGATGTGGAGCTGGGATCGGGAGGTTAAACAGCTGGAGGAACAAACGTCACGTGATGGATATAACAGTGATGTTGATGT AGTGGAAGAAACTGAGGATGTGGAGCTGGGGATCAAACAGCTGGAAGAAACGTGAGAAACGTGAGGATATAAACAGTGAAGAAAACGTGAAAAAACGAAAAAAAA
		CTGCCAGAAAGGAAGACCCCCATTGTGGTGGCATATTTTGTGTTGCATATTTATATATA
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Denot 1 DCT.144		TTATNANATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCAGGCGATCCCCCTTCAGAGGGTAAAT
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Phase-1 RCT-145	TATGACATGATTACGAATTTACAGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCCTCAGGATCACAGGGCCGAAACCTCAGAACCTCAGGATGCACCCTCAGATTTCCCGC
	GGAPCTCTAAAGCAGGCGCAAATCTGCAATGTCGAAAAGCGGAAAAAGCGGAAAAGCGGAAAGCGCGTGAATGAGGAATGGCGCTGAAATGGAATGGCGTAAATGAATG
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Phase-1 RCT-148	GGGGGGGTCTCNANATGATTCGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGAAT I CCSCAACAAASAATATCTGAAGC GGAGTCCAAGAAATTAANGTGGTGCCTTCTCAAGC
	CCCTAGGAAGGTGCTTGGCTCCTCCACCTTTGTCACCAATTCTTCCGGTTCGTCAAGAAGGCTGAAATTGTCAAATTGCTGGAGGGGAAAAGTTGTTGTAAAGGTGCTGGGAGGGGAAAAGGAAAAGGAATTCTTCAAGCTGNCCCTCANGATTCTAANGGATAAAAGGAAAAGGAAAAAGGAAAAAGGAAAAAGGAAAAAGGAAAA
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Phase-1 RCT-151	TATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGCCTGTTGAAAGGGCTGGGCCCC
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Phase-1 RCT-154	ATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCAAAAATTCGGCCACGAGGGGGGGG
	GETGTCACCTTACCAGTGTTTGAACATTACCACGAAGGAACTGACAGCTATGAACTAACGACTTAACCAGAGGTGGGGGGGG
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Dhase 1 DCT 158	ANGACATTAGGATTAAAGACTCACTATAAGGGAATTTGGCCACTCGAGGCCAAGAGTTCGGCACAGGGTCAGCAATTAGGGAATTAAAGACTCACTAGAAATTAGGGAATTAAAAAAAA
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	CCCGCTGACATCCAAGCTCTCCTGCGCCGGCACCTTGCAGGCGCTCTTGGGGGGGCGCGGGGGGTTGTAGTAGAACTCGGGCTGCTCTCTCT
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	CGCTCAGGGTCCAGGGTCCACATTTTAAAAAAAAAAAAA
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	ASCANCTITICTGAAGCTGAAACTTAAAAACTTAAATAGGAGAATATGGCAAGTGCAGACTGGGGATATGAAAGCAAAAATGGTCCTGACCAATGGAGG
	AAACTATATOCCATTGCCAATGGAAAACAACCAGTCTCCTATTGATATTAAAACCAGGGAAGCCAAAGATGATTCGTCTGAAACCAGTCAGCGTCTCC
	TACAATCCTGCAACTGCCAAAGAAATTGTTAATGTGGGACATTCTTTCCATGTTTTGATGACAGTAGCAGTGGCTGAAGGTGGCTGAAAGGTGGCTGAAAGGTGGCTGAAAGGTGGCTGAAAGGTGGCTGAAAGGTGGCTGAAAGGTGGCTGAAAGGTGGCTGAAAGGTGGCTGAAAGGTGGCTGAAGGTGAAGGTGAAGGTGAAGGTGAAGGTGAAGGTGAAGGTGAAGGTGAAGGTGAAGGTGAAGGTGAAGAGGTGAAGGTGAAGGTGAAGGTGAAGAGTGAAGGTGAAGGTGAAGAA
	TCTTGCTCATAGGCTCACCAGTTCCATTTCACTGCGCCAACTCAACACATTGCAACAGTGAACAATAATACAGAATTATAATTAAATAAA
	GAGAGCTICACTTAGTICACTGGAATTCAGCCAAGTACTCCASIGCTIGAAGCCATTICAAAACCAAAAAAAAAAAAAAAAAA
	GANAGGI GGGTCAGCCAACACCAAAACGI GCAAAAAGI ACI IGAA I I AAAAA LI AAAAAA LI AAAAAA LI AAAAAA LI AAAAAAA LI AAAAAAAA
A DOT 404	NINCHI ATTENTIAL TEATTACT ATTACT ATTACT ATTACT ATTACT ATTACT ATTACT ATTACT ACT
F1258-1 KC1-104	GITTCTGGCATTCQAAAAAAAGGACTGTAGACTATGGTCTAATGTTCAAGGATGGGACAGGACTGTGGAAAAAAAA
	TGGAGGAAGTAGGTTAGGATTTAGGACCTTTGCAAGTGGGGGTCAGGCACCCCAGGAACAGCTCCTTCGATAAAAAAAA
	CACAACAACCTAAACAGACTACCTCTTCCCTTACCAGATCTGAGAGTTCTAAGAGGTCTAAGAGGTCTTAAGAGGTGTTTTTTTT
	GITITITICATIATAACAATICAAGCCAGACATITICAAAGTGAGTGAGTGTGTTAATAGTGCCCCAAGTTAGTAGTAGTGAGTG
	CACITOTORANDE CONTOTORANDE CONTOTORANDE CONTOTORANDE CONTOTORANDE CONTOTORANDE CONTOTORANDE CONTOTORANDE CONTO
Phase-1 RCT-166	UTILIANNIUGII INGAMII IIMAANII
	CHICATOCICA CONTRACTOR AND
	TACACTITACCEAGITAACCTTTGCCCAGGTGAACCTTTGAAGGAAGGTGCCGGCTTTGAAGGATGGGGACTTCGTCTTGGCAGAGGTGTGGCCATCTTGCTG
	TATTTE ACTION CANAGE CACCTE ACCACTEG TACCCT CAGGACCT ACAGGACT CGT GT GCT GT GCT TGGCT TGGCAGCACCACACACACACACACACACACACACACACAC
	cocctgcggacctgttgcaggaggccatgtggagagatgatgttgcctgggacagagagag
	TTTGGCCGAACTGGATGCTTGAAGACAACAACAACAACAACAACAACAACAACAACAACA
Phase-1 RCT-168	ICMA IdADA I NGBAR I I I MARA NA MANA NA MAN
	ACACOGGGCOTTCACTGTATCAGGGTAGCACACATATATATACTCTATTTATT
	GTTTCTCCAGGTTAGGCTGGGGTGATACTCTGGGGTGCTCTGCGTACAAAGATTATTTGAATGAA
	GGGGGTGGGAACTGCTTTGAAACCCTTGTTCAGATGTTTTTATGACAGCTGAGATGTCTTTTATAATTCTTTTAAATGTTTTAAAAGTT
	AAAAAANAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
	CGTGACTGGGAAAACCCTGGCGTTACCCAAATTGGCCTTGCAGGACTACACTTGCAGGACTGGCGTTGCAGGAACTGGAAAACCAAAATGGCAAAAACTGAAAAAAAA
Operation 4 BOT 480	CATACATICATICATICATICATICATICACITATICACICATICACITATICACICATICAT
Trase-1 KO1-108	decreticate page transfer and transfer and the control of the cont
	GCTCCTGCATCAGCACCAGCCAAGGCACATTCCACTACAAATCCCTCAAAGAGCTCAAACAGTTTGCCCCAAGCCCTAACTGCAAATCTGCAAATCTAAATCTAAATCT
	ATCGCTACACTCGACGACTCTCAACACTGCCTGACTCACACACA
	AGARANGEGEREGESANARAHATI LAWARANGAGETTI TAGAT TATAANGAGETTI TAGAT TATAANGAGAAAAAAAAAAAAAAAAAAAAAAAA
	AAAAAAGTGAGCGGCGGCAGAAGTTATTCCCTTTAGTGAGGGTTAATTTTAGCTTGGCACTGGCCGTCGTTTTACAACGTCGTGGGAAAAACCC
	TGGCGTTACCAACTTAATCGCCTTGCAGCACATCCCCTTTGGC

Phase-1 KCI -1/1	CIAIGNATICCCAAGCAAGCACTCACIATACAATINA TOGACCTCACAAGCACAAGCACAAGCACAAGCAAGAAGCAAGAAGCAAGAAG	SANGECARAGAN ITASCALOSASCH I LOCAICANI INACACACI BATTCCCAAAGCACCTGGGATTACACCACAAATCTTCCACTINCTTTCT TITCTTTAATGATCAAGTCCTCTCCACAAAGGACTGGGGAACCTTC ACATCTACCACTTTCCATCACACAAAAGAGACTGGTAACGACTTC ACATCTACCACTTTCTCCATCACACAAAAATCTTACAACTTCTT
	ASCANTICATORICATORICATORICANA AND AND AND AND AND AND AND AND AND	TIGCAGCACATCCCCTTTCGCCAGCTGCCTATAGCGAACTGGCTATAGCGAAVAGGCGCGTGTAACCGAAVAGGCGGCGCGTATAGCGAAVAGGCGGCGCGCGTGTAACCGCGCGGCGGGGGGGGGG
Phase-1 RCT-173	TATGACATGAATTTAATACGACTATAGGAATTTGGCCCTCGAGGCCAAGAATTCGGCAGGACGAGGACTCGGAGAAGGTTTGGCTGGAGAAGGTTTGGGAAAGGTTTGGGAAAGGTTTGCGAGAAGGTTTGCGAGAAGGTTGCTGACACACAGGACTCAACACACAGAAGAATGTAACAGAAGTGAACACACAC	AGGCCAGAGATTCGGCACGAGGCAGACTCTGGAGAAGGTGTGCGT ATGGGCTCAGCAATGTGAAGGTGAATGACACTTCGTGAACACACC AGTGGGGGTGGACACTAACGTGAATGAGCAGTTCCTGAACACACAC
Phase-I RCT-174	TATGACATGATTAGGAATTTAATAGGACTCACTATAGGGAATTTGGCCCTCGAGGGCCAAGAATTCGGCGAGGGTGGAATTCTACACTAAGGTCATCAAGTCATAAGGTCATCAAGTCATAGGGAATTTGGCGTTTTGCATGAATTCGGCAGGTGGAGCTTGAACTAAGTCATAGTATTGATTG	WGGCCAAGATTCGGCACGAGGTGGAATTCTACACTAAAGTCATCA TITTATAACCCCGCAGCCACTGCAGCCTCATCTTTTACTTTGTATG SACAACGGTGGATCCTTCAACCCCAAAAGCTTTAACCATCAAC SATGATTACTCGCTGCTCTTTCTTCCAAAAAACTCTATGAATCAA TTCTGCTACATTTTAGGGTTGCCTGCATTCTTTGGATCCTGCATAA AAATTCAATTTTAAGGTTGCCTGCATTCTTTGGATCCTGCATAA
Phase-1 RCT-175	TGACATGATTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGCCACGAGGCCTACTTCCGCCGGGCCAACGAAGCTACTTTCCCGCCTGGCCCTCATCCA GGTTCCAGGTTTCTCCATTAATCAAGAATTACCGGGGGCCGGGGGAGCAACGAACG	SECCAGGATTCGGCACGAGGCTACTTTCCGCCTGGCCCTGCCA GSTCGGGAGGCAAACGAAACACATTCTTCTGCG GAGATCCTGGACAATCCAAAGGAGCTTTCTGAGGCCCAAAGGA AGATTCCTGGACAATCCAAAAGGATTTGGGAAATTTACTGT ACATTCAAGAATCCAAAACACTGAGTCCTGGTGATGGAAATTTACTGT CATTCCAAGAATCCAAAACACTGAGTCCTGGTGATAGTTTCTCCACG TTCGCAGACCTTGCACAAACACTGAGTCCTGGTGATAGTTTCTCCACG
Phase-i RCT-178	CCCACGAGGAGTATAACCNITGGTTGACACAGTAGGCTNITGAAGTGAGGAGAGAGTTGGACTTGGAAGCCTTGGAAACCAGCTTGGAAACCAGCTTGGAAACCAGCTTGGAAACCAGCTTGGAAGTGAGTG	AGACACACITGGAACTITGGAAACCAGCATCTIGAATAGC CACCATATAGGTGGTGGAAGAGTGACCAGGATGC CACCATTATAGGTGGAGCAGAGTGACCAGAGTGACCAGATGC CATCAATCAGGACAGGGCACACTGCGTGGCCAGAAAGGTGAGCACACACA
Phase-1 RCT-179	TCCTCATAANATGATTACAVATTTAATACGACTCACTATAGGCGATTTGGCCCTCGAGGCCAGGAATTCGGCCACGAGGGTTCTGCCGAACACATAGGC AGTTGTTTCCGTCCGGCCTCTCTCACACTCACTCACGCGCCTCCACCTCTCAGAGCTCCAATGGACTTGCACTTGCACTAGACCTCCACAA CTACCTTTCGGTTGTGAACTAACTCACTCACACACACATTTAAAGTGCATAAATGACAAATGAACTGAAATGACCAGTTATAAATTAAAGACGGTGACTTT AGGGCAAGCAGGGCAAAAGATGAGTTGCACATAGAAGAATAACACAATTAAAATGAACACACAATTAAAAGATAACACTGGGCAAATTAAAATGACTGGCAAATTAAAATGACTGGCAAATTAAAATGACTGCAATTAAAATTAAAATGAAATTAAAATGAAATTAAAACACAACACACAATTAAAAGATTAAAATTAAAATGAAAATTAAAACACAACAACAACAACAACAACAACAATTAAAAATTAAAACAAC	CTCGAGGCCAGAATTCGGCACGAGGGTTCTGCGGAACAGTAGGC TGGAAGAGTCGAATGGACATGAGATGAG
Phase-1 RCT-18	TTATGACATGATTACGAATTTATAGGGACTCACTATAGGGAATTGGCCCCGGGGAATTGGGCCGGGGGAAGTTATACGGGACGGGGAAGTTATACGGGACGGGGAAGTGG CTGCCCCCAAACGATTTCTGGACCCAGGCCAAGAAGCTTATAGTGGAACCCTTGCCGAATGGTTACGCAAAGTATTAAATTTGTCGG AAGCAGAAGTATTACTTCAACTCCCCAGGGTGGTAGAAAAAGAACTGCCTGAAGCCATTGCACCCCAAAGAACCATTACAAAGAACTTCTTAAT AGCAGAAGTATTACTTCAACTTACGTTCAATGAAGAAAAAAAA	GAGGCCAGAATTCGGCACGAGGAAGTTATACGCCCTGGGAATGG TGTGAATCCTACTGCCAGATGGTTACCAAAAGTATTAAAATTTGTCGG TGCCTGAAGCCCGTTGTACCCAAAAGAATTAAAATTTGCG TAACTTCCCTGTAAGGAGACACGCTGTAGATTAAAAGAAAAAATCCT CTTGTTCCTTAAGGGAGGATATTTCGAGCAGGAGTTAATTGAACAAG GAATAAAGCATACATGTCGAACCTTAGGACCATAGCA TCCAGAATAGTTTCCAGAAAGTCCGTAAGAAGCAGACGCATTAACA

Phase-1 RCT-180	Incresearce	ICTATION AND TRANSPORMENT AND
	TCGCAGCTCATT GCTATCACASA GAGAAGCAAAA TGGCTAAATCTG GAAGTTGGCACA TGCTGAATCTG	TOCCACTOR TITACCACCOCCACATOR CONTROLL C
Phase-1 RCT-181	TATGACATGATTA COCTGGGATTAC ACAGGGGGGAT TACCATTCAATT GAACCACTCCAC GGAAGGTGGTACACACTCCACACACACACACACACACACA	TATGACATGATTAGGAGTTTATATAGGAGATTAGGGCGTGAGGGCGAGGATTGGGGCGAGGGCTGAGCATCAGGTGCCGGGGCCGGGGGCCGGGGGCCGGGGGCCGGGGGCCGGGG
Phase-1 RCT-182	TATGAGATGATTAG CCAGCGTGCAGT GATCCGTTGGAG TATCCCATTGGG CCAGTGGATGGG TAGTGCCAGO TAGTGCGGGTAA TAGTGAGGGTAA	TATGACATGATTACGAATTTATACGACTCACTATAGGGAATTTGGCCCTCGAGGGCCAAGATTTGGGCACGAGGGTGAATGTCTCCAGGCCAGGGCCTCCCAGGAGGTGAATTTACGACCAAGGCTTCAGGCCCCACAAGGGTGAATTTACGACCAAGAGTGACCAAGAGTGAATTTACAAGGTGAAGGTGAAGGTGAGGTGAGGGTGAGGAAAGAGTGTGAAGAA
Phase-1 RCT-184	TCCTATGACATG GGGAATCTCGTT TTCATTGAATTC ACACTCCGCATO CGCACCCGGCGC CAGCAACCC CGACCACCCGCCC CGCATTACACCC	TCCTATGACATGATTACGAGTTTATAGAGTTACATTAGGGGATTTGGCCCTCGAGGCCAAGAATTCGGGCAGGAGGGGATTAGTAGTAGTAGGGACGGTAGGGACGAGGATTAGATTAGATGGGGACGAAGTTAGGCCCCGCGCTTAGCCCCGCGCTTAGCCCCGCGCTTTAGATTCCCGCGCGAGAAGCAGTTAGATTAGATTCCCAGTTCCCAGTTCCAGATTCCAGTTCCCAGATTCCAGTTCCCAGATTCCAGATTCCAGATTCCAGATTCCAGATTCCAGATTCCAGATTCCAGATTCCAGATTCCAGATTCCAGATTCCCAGATTCCCAGATTCCCCGCGCGGAAAGCGCGGGGAAACCCCGGGGGGAACCCCGGGGGAAACCCCCGGGGGAAACCCCCGAGCCTAGACCCCGGGGCGACCCCGGGGGAAACCCCCGGGGGGAACCCCGGGGGG
Phase-1 RCT-185	NCTATGACATGA GATGCTGAACA GATGCTTAGA GTAAGATTCTAGA GACAGGATCTAGA GACAGGACTTCTAGA GACAGGACTTCTAGA GACAGGACTTCTAGA TACAGCCGTGGCCGACAGTTAAI	NCTATGACATGATTACGAATTTAATACGACTGACTATAGGGAATTTGGCCCTCGAGGCCAAGATTCGGCAGGGGGGGG
Phase-1 RCI-169	GCCNGGGATATE GCCACTETGGAN CTCTAGCTGATG TOCTCATGTAAC TACAAAGCTTTG AAATTACATTCCT GCCAAGTAGAA	GCCNGGGATATGCNCNGATTACNGATTCACTGGCCGTCGTTTACACGTCGTGACTGGNAAANCCCTGGGGTTACCCAANTHANTNGACTTGNTGGGCCAGGATATGCCTGATTGTGGCCGGGGTTACCTGGTTGTTGGGCGTTGGTTG
Phase-1 RCT-191	TATGACATGATTAGGAAT (919TTCCCCGAACAGGC ACAACCATGCACATCCA ACACCATGACATCCATCA ATCTGCCAAGTTCACC AACACAGTGCGTGT TTCACCCAAGGT TTCACCCAAGGT TTCACCCAAGGT CACCCGGGCAAGGT CACCCGGGCAAGGGT CACCCGGGCAAGGGT CACCCGGGCAAGGGT CACCCGGGCAAGGGT CACCCGGCAAGGGT CACCCGGCAAGGGT	TATGACATGATTACGAGTTTATATACGACTCACTATAGGGGAATTTGGCCCTOGAGGCGAGGATTCGGGCAGGGGTGAGAGGTTAGTGCAAGTCT GTGTTCCCCGAACAGGCTTACAACAATGAGGACAGGTACTCTACAACAGGGCGAATTCCAACTGGAGGCCGG GTGAACGAGTGCCCATCGAAGGCACACATGAGCCCGG GGAACGATTCCCAAAGGCACCAGCACAGCA

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Phase-1 RCT-192	CTATGACATGATTACGAATTAATACGACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCAGGGGTTTCCGCTTGCTGCTGCTCGGCCAAGAATTCGGCAGGGGTTTCCGCTTGCTGCTCCGCAATACGGCGCTTGCTGCCGCTTGCTGCCGCGCTTTGCCGCCTTGCCGGCGCTTTGCCGCGCGCGTTTGCCGCGCGCGTTTGCCGCGCGCGTTTGCCGCGCGCGTTTGGCCGCGCGTTTGGCCGCGCGTTTGGCCGCGCGTTTGGCCGCGCGTTTGACCGCGCGTTGACGGCGCGCGTTGACGGCGCGCGTTGACGAGGAGGAGTTGGCAGGCGCGCGTAAGACGAGGTTGACGCGCGCG	AGGGTTTCGCTTGCTGCTCCGGCGTTGGGGGGGGGGGGG
Phase-1 RCT-195	TATGACATGATTACGAATTTAATACGACTCACTATAGGGCACTCGAGGCCAGCAGGATTCGGCAGGCTCCCCCGAGGCTCCCCCCCC	GGOTCCCCACCAGTCTGGGTACAT GGGGGGCCCCACCACCACCACCACCACCACCACCACCACC
Phase-1 RCT-196	TITITITIAAAAACTGAATAATCATGITATTTAGTACATGATTATTAGTACATTATAAACCTATAATACAATAAAACGTCTCCATAACTAAGGAGTGGTTGGGCATAGGAGTAGGAGTAGGAGTAGGAGTAGGAGTAGGAGTAGGAGTAGGAGTAGGAGTAGGAGTAGGAGTAGGAGTAGGAGTAGGAGAGAAAAAA	STCTCCATAACTAAGGAGTGATATGC TCTGATAATGGGAAGAAAACATAA STCTGAACTCTTACTTCCTGCT ACCTGTTCAGAATCAGAATCATCAGAATCAGAATCAGAATCAGAATCAGAATCAGAATTAGAAAATCAGAAAATCAGAAAATCAGAAAATCAGAAAATCAGAAAATCAGAAAATCAGAAATCAGAAATCAGAAATCAGAAAATCAGAAAATCAGAAAAAAAA
Phase-1 RCT-197	TICTATGACATGANTTAGGANTTAATACGACTCACTATAGGGAATTTGACAGCCCTCGAGGCCCAAGAATTCGGGCACGAGGGGAGGTGCTTCTGTTGTTCTAGAGGTGACGTTTAGGACTTTAGGATTAGGAGGTGAGGAGGTGCAGGGGAGGTTCAGGGGAGGTTCAGGGGAGGTTAGGAGGTGAGAGGAGGAGGAGGAGGAGGAG	CAGGGGAGGTGCCTTCIGTGTTGA GTGATGGAGCTTAGATGTCTGGG GTGAACTTGATGGTGCACCCATTCG GGGAAAGTTTGTTAGCATGATGAG AGGAAAGAAAGTAACTAGATGAGCA TTAAAATAAAGGTAAATGTTAAATGT
Phase-1 RCT-202	CTATGACATGATTAATAGGACTCACTATAGGGACTCGGGGGGGG	AGGCCTTCACCTCGGGGCGG GGGCATGCGGATGTGGGTGACCTTT AGTCTATTTCAGGTCTCTTGGGTCT CAGCTTACCCTACTGCTTCTGAGTCT TAGAGAAGAGGCGTGGGGA STGCTCTCCGGGGAAATTCTTCTAC
Phase-1 RCT-204	CITTATGACATGATTAGGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAGAATTCGGCCGCGAGGCTTGCTT	CAGGCTAGCTITICGITICTITICGIAI TACAGITICCOGTGGGGCGGTGGGA GCTGGAGTACCTGAGGGGCGATC SCCATCCGCAACGAGGAGGTCA CCAAGAAGACGAGGAGGTCA CCAAGAAGACGAGGAAGCAAG AAAAAAGAATTGCGGCGCAAGC
Phase-1 RCT-205	CAACHICHINICHCHINTIATRICATEATTACGANTTATACGATCLACTATAGGAATTTGGCCCTGGAGGCACAAATTCGGCAAGGAGTTGTGTGT GTAACTGGATCAGCAGCATGTTCCCGGTGAACTTACCAGTCACATTAGCAGATTTAACACTGGAGGGAAACAAAAAATATATAT	CAAGAATTCGGCACGAGGGTGTGT SCAACAAGAAGGAAATAATTTT SCATCTGAAATTCTTGGTCTAAAGGG TTCTAAACCTAGGAATAATGCTGGGT AACGCCTTCTGATACACAGCA TTAATATTGATCAAGGAGGCGTTAAT AAAAATGGAAGGGGCGCAAGCTT TGGNGG

Phase-1 RCT-207	ITATGACATGATTACGAATTTAATACGACTGACTATAGGGGATTTGGCCCTCGAGGGCAGGAATTCGGCGCGAGGTCATGAGGGCCTCATCAAGGGCACGAGGTCATGAGGGCTCCTCATCAAGGGCACGAGGTCATGAGGCAATGGCATGCAT
Phase-1 RCT-209	TCTTGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGGCGGAGAATGCOGGACTAGAGAGAATGAGAGAGAATGAGAGAATTAGAAGAAATTCGGCACGAGAGGACGAGAATTAGAATTAGAATTCGGCACAGAGAGAATTGACATCAGAGAGAATTGAGATTTAGAATTTGAATTTTAATTATAATTAGAATTTGAATTTTAATATCATAGAATTTGAGATTTTGAATTTTAATATTGAATTTTAATATAGATTTAAATTCAGAATTTGAATTTAAATTCAGAATTTGAATTTAAGATTTAAGATTTAAGATTTAAATTCAGAATTGAAAACAGATTAGAATTAAGATTAAGATTAAGATTTAAGATTTAAATTCAGAAAACAAAAAAAA
Phase-1 RCT-211	TATGACATGATTACGAATTTAATACGAACTGATAGGGAATTTGGCCCTCGAGGCCAAGAATTTCGGCACGAGGAGGAGGAGGGGGGGG
Phase-1 RCT-212	ATGTCATTGTACTGCTTCAGGGGGCANGGTAGGGGAGGGG
Phase-1 RCT-213	TATGACATGATTACGAATTTAATACGACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCAGGATTGTAGCAATTGTGGAGGAAGAGAGACAAGACAAGACAAGAGAGACAAGAGAGACAAGACAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGA
Phase-1 RCF-214	TATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCGAGGATTCGGCAGGGGTTTCTTCTGAGGTGGTGCGTTGCCCTTTGGCCTTTGGAGGTGCGTTGCCCTTTGGAGGTGGATGCCCTTTGGCCTTGGAGGCTTTGGAGGCTTGTGAGGGCTTGTGAGGGCTTGTGAGGCTTGTGAGGGCTTGTGAGGGCTTGTGAGGTGAGGCTTGTTGAGGGCTTGTTGGAGGTGTGTAGGGTTTTGGTTTTGGAGAATGGAGGTTGTT
Phase-1 RCT-215	ATGACATGATTAGGAATTTAGTAGGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCAGGGGTAATTTTGGAGGTTTCCCCAATCCCAGGGCTAATTTGGAGGGTTTCCCCAATCCCAATCCTCCAGGGCTAATTTGGAGGGTTTCCCAATCCTCCAGGGCTAATTTGGAGGGTTTCCCCAATCCTCCAGGGCTAGGAGGTGCTTCAGGAGGGGTTTTGGATCCTTCAGGAGGGGGAATAATGCTAATTTTGGAGAGGGGAATAATTTGGAGAGGGGAATAATTTGGAGAGGGGAATAAT

Phase-1 RCT-218	TATGACATGATTAGACTCAGACTCACTATAGGGAATTTGGCCCTCGAGGATTTCGCCCAGAGATTCGCCAGAGGAGCTTGGATGGA
	CCCATCCOTTGTTTATGCCATCACTACATTCOTGATTCOTCAGAGACCCGGCACGGGTACACAAGGTC CACAAGAGTCTCTGAGGCAAGTGGC AAAGATATAAGAAGTAAAAGACCAAAATGGGGCAAGCGCGAGGCCAGGAGGGTGGGGGTGGAGGGGGGAGAAGTTGAGGGCAAAGTGGC AAAGATTAAAATTAAAAAAAAAAAAAAAAAAAAAAAAA
	ATCTGGGAGTOCTTCCGGAGTTGCATTAGCCATAGGCTGGGTTCTTATACCTTTTCCATGCCCTGCAACCCAATCAGACCTACCCCAGCCTTGCCTCTG AAGCAGGAGCCCTGGCAAGAGTTGGGTTGTGCTTCCTCAGACCTCCCCTGGAAATTACCACTGTTATAAGTGCCCCTACCCCCATACCCAG CTTTTGGGCCCCTCCCACTTATGTGTCTGGNG
Phase-1 RCT-219	CTATGACATCATTACGAATTTAATACGACTCACTATAGAGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGAATTCGGCACGAGGCTCCATCAGTGGACAAGAAGACTCACAAGAGAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAG
	ATCACAGACACICCICCACAGGGGGGGGGGGGGGGGGGGG
	GAMATICOGEOCOCOCOCACTITICATOCOCTICOCATICOCOCTICOCAMA A COMPANDA A
Phase-1 RCT-22	TCTATGACATTGATA ACGACIT CAGACATT AT AT A TAGGACATT A TAGGACATT TGGCCOT TGGGCCAGACATT CGGCACTGCAGGACT TGGGCTT TGGTT TGGACATT TGGCT TGGTT TGGTT TGGACAT TGGACAT TGGACT TGGTT TGGTT TGGT TGG
	GGTCaGaAGCAGATCAATGGGCAAGGTGTCCCGAGGAGCCAGCTGTCCTCCTCCTCTTTAGACCTCCACAGGGACGAGCTGATTATTATAAAAAAAA
	TTACAACGTCGTGACTGGGAAACCTGGGGGTTACCCAACTTAATGGCTTGGACATCCCCTTTCGCGCTTGGCGGCGGGGGTTGACGGGGGGGTTGCACGTGGGGGGGG
Phase-1 RCT-221	TTATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCAGGGCTAACCCTGTCAGGCTACCCTGCCTG
	CACTTCCTGTGCTAGTTAGTGCTGATTCTGGGTGAGTCCCGGGGGGGACTCCCTTGAGCCCCTTTTGTGGTAGTGGTGTGTGT
	GCCGATAGITACITATICITACITAGATAGATAGATAGATAGATAGATAGATAGATAGATAG
Phase-1 RCT-225	TCCTTAGGANATGATTACGACTGACTATAGGGGAATTTGGCCCTCGAGGCAAGNAATTCGGCAGGAGGAGAGAGAGACTGTGTGCCCG
	CAGNIACCIGIGITITICAA I AALOCTICII IGCIGALI IGANI CGAAN GAAGACAA GAAGACAA IN GAACITI TAGACA IN SAAAA IN SAAAAAA COCTUT GAAGATA TAGATA TAGAGA GAAGACAA TAGAA GAAGAAA GAAGAAAAAAAAAA
	GATITATAAAAATGTGATGATGTTGATGTTGATGTTGAAAAGGGAAAAGGGAAAAGTTAGATGAT
	CCTATTAAGCCTTGGTCCTATCTGTCAGGTTCCCTGTTTGTT
Phase-1 RCT-227	TCTAGATGATTAGNAATTTAATAGGACTCACTATAGGGAATTTGGCCCTCGAGGACAAGAATTCGGCCAGGAGGAGGAAGAAGATTAAGATTAAGATTAAGATTAAGATGAGGTAGAGGTAGATAGATGAT
	CTGTTCCTTGGCTGTATCTTACTGTCCTCGGTGACCGCCTTTCCATGGAAGACTCAGGATGGTGGCCCTGCCCCTTGGCGCTGGCGCTGGCAGGTGGCAACAGAAATIG
	GTCTGAGTCCTTGTCCTTAGCACTGAGAGTTGTCCTGGAAAACATGGGCTGCCCTGCTGAGGCCTACTCTTGAGGCTTCAGGTTGGGGAAAG GGAGGAAAAAGACACACAGAACTCTGATTCTCGAGAGTCAAAAGGCATAGCCAGGGGAAGGGATGGCAATAATGAAGCATTCTGAGGCATTGAGGATTGTGAGGATTCT
	GTACCATCCCTGGAGAAATAAAAGANGGTCGAGCGCTCAGTTACTGTGCCTGAGGCATGCACCTCTGAACANGGGTTGTGTGTTGTGT
Phase-1 RCT-230	TATGAGATGACAATTAAGAATTTAATACGAGTCACTATAAGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGACTACACACAC
	CAGAGITOTGAAGITOTOCATOTCATITAGITGGCCTCCTCTTCTCCCAGTITGAGICCTGGAGGCCAGGAAACGGGCAAAGGTGTTGCTCATGGCT
	AAACAACAACAAAAAATAAAACCACTGTGTGTGTGTGTGT
	CCT I TOSCOATIANGOCOSOGOSOGO

		ACCOUNTACTACTACTACTACTACTACTACTACTACTACTACTACT
hase-1 RCT-233		TAAACATAGATGCCTATTATGCTTTAGAGTATTGAGAGATAGTATGTAATTGTAATGATTACTTAAAATTGTAAAATTGTAATTAAAATTGCATTAAAATTGCATTTAAGTG GGGATAAQAATTCTGATTAGACTTCCATTTAATGCTTCAAAGGCACTCATTCTTACTGTATTCTTACAGATGTCACTTAAAATGCCATTAAAATGCCATTAAAATGCCA
-		Traaaitetalaaanettoaagetatagataacaetaagetaagettaetttagaategattegat
Phase-1 RCT-235		CTTATEACATEATTACEANTITIAATACEACTCACTATACEGANTITIGECCCTCGAGGCCAAGAATTCGGCACGAGGCAAGACCAAACCAAACCAGAG GCCCTTGCCAAGAGCACTTGGCTTACTCTTCAGATACAGAGTATAAAGTAACAGCTGTGGTTATTATCTGGTGTTTTTCTTGAGATTTGAAGAGAGAAACAGAAAAAAAA
ı		GAGAGCACATGGTTGAAAGCACTTGCTGTTGTAGAGGAGCAGAGTTGGT THAGACAGATGAGAGTGGAAGAGCAGAAACAGAGAGAAACAGAGAGAG
Phase-1 RCT-229		TATGACATGATTAGGAATTTAATAGGACTGACTATAGGGAATTTGGCCCTGGAGGCCAACAATTCGGCAAGAGGGGTGAACTTCCTCAACATTCTGCCAACATGTC TTGCCAGCAGAGCCAGAAGCACTGCACAGTTGCCCAAGTGTGCCCCCAAAGTGCCCCCCAAGAGGCACAGGACACATGTC TTGCCTGCAGCCTTTCCTGCTGTGCTACACACTCTGGGGCTGCAGTGTCCCCAGCTTGAGGAAGTTGCCTGAGGCACACAGGCCACAG TGCCTGCAGCCTTTCCTGCTGTGCTG
	•	CGAAAGCCTGGTTGCCTCTCCTTGTGTTCCATCACCTGTGTGTG
Phaso-1 RCT-24		GTTAGNITTINANGTGATTACGAATTACTACTATATATAGGAATTATATAGGAGGAATTGGGGGGGG
Phase-1 RCT-240		HITTITITITITITITITITITICOSAGCITATOCCIANA COLORIA COLOR
Phase-1 RCT-241		TONTINACATGATTACCAATITAATAGGACTCACTATAGGGAAN LOGACACAGAAN LOGACAGAGGCCCACTACTAGGACACAGAACAGGGCCTCTG AGGCTCCGCCCTGAATTGATGGACACTGCCCCTAGGACACACAC
Prase-i RCT-242		CATTATOACAITANCBATTTAATAGGAACTCACTATAGGAACT INGECUNIOSAGE CANAMA INGECATAGAGGAGCTTCTGATCTTAATCTG AGCAAAGCTGGAATCGCTCGAGATGGCCTGTTGTTGCACACACA

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Phase-1 RCT-25	TATGACATGATTACGAATTAATACGACTTACTTAAGAGAAA HIGGACACIAAGAA HIGGAAAAAA HIGGAAAAAAAA HIGGAAAAAAAAAA	{ E
	ATITATCTGTATGAGATTCTAGCAGTTAATTGAACGTTTATGTATAGATTGTATTTTAGTTTTTAGTTTTTACTTAC	ACAG SGGTT TCGC
Phase-i RCT-251	CINININININININININININININININININININ	AAAAA AAAAA AATGC ATGC TTCAT
Phase-1 RCT-252	TATGACATGATTACGAATTTATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCAOGAGGGCAATACTCTTATAGGCAAGAGGCAAGAGCCCAGGAAGAGCCCAGGAAGAGCCCTGGGAAGAGCATTGGCATGCTTCTTCATAGCAGTGATGCCTTCTTAGACGGGAAGATTGGCAGAGAAGAGAAGAGAGAG	AGAC SAGAT SGTTT AGGG ITCTC ICTAG
Phase-1 RCT-256	TCTCNTANNATGATTACGAGTTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGCCAGGGAATTGGTCACATTTCACTACATTTCACTACATTTCACTACATTTCACTACATTTCACTACATTTCACTACATTTCACATTACATTCACTACT	CTCC TGCC AAGAA AAGAA TAAA TAAA
Phase-1 RCT-258	INATGACATGATTACGAATTAATACGAATTAGGGAATTTGGCCCTCGAGGGCGGGGGGGG	ATGGA ATGGC GCCCG GAAG SCCCT TTGCA
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Phase-1 RCT-261	TTATGACATGATTACGAATTTATTATTTTTTTTTTTTTT
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Phase-1 RCT-271	CTATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAGGAGGGCACGAGGGCACATTTCTTCAGTCATCATGGAATTAGGCAATTACTCGAGGCCAGGAGGGCACATTCTTCAGTCATTCAGGCCAGGAGGGCAGTTCTTCAGGCCAATTCAGCAGGAGGACCCATAGGCAGATTCAGCAGGAGGAAATTGACCCAGAAATTGACCCAGAAAATTAGAGGAAAATTAAGGCAGGAAATTAAGGCAGGAAAAATTAGAGGAATTAAGAGGAGAAAAAAGAAAAAA
Phase-1 RCT-273	CTCTATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTOGAGGCAAGAATTCGGCCAGGAGGAGGAGTTGGGTAGGTAG
Phase-1 RCT-276	ANINININGININCCNCTATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGGCCAAGAATTCGGCACCGGTGACCCCTTGAGGACTCAGGACTCAGGACTCAGGACTCAGGACTCAGGACTGCAACCCCTTGAGGACCCCTTGAGGACTCAGGACCAGGACTCAGGACCCTTGAGACAGGACACCATTAGGACTCAGACAGGACACTTTTGAGAACAGGACAACAGGACAACAGGACAATTCAGAACAGGACAACAGGACAACAGGACAATTCAGAACAGGACAACAGGACAACAGGACAACAACAGGACAACCATGCATTGAATAAGATTTAGATCATGATCAACAGGAGAATCATTCAT

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Phase-1 RCT-290	CTATGACATGATTACGACTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCAGGGTCTGAAGTGGGAGTCTTGTGAGTCTGTGAGT TCTAAGCCAGCAGCAACTGAGTGAGACTTGAAACTGAAATTAGACATTCTTTCGCAGGTGATGTTGTTCCAAGGGAGCTTGATA ATTAGTAGGCCAACAAGAAGTGAGACTTGCAGGTCCTTACAGGCTCTGCTTGATGAACGTTTCTTCCAAGGGAATTACTTGCAAGGAGGAGTTGCATTCCGAA GCCCAGCCAGGAAGGAGGTGTTACACATTGCAGCTCTTTTCCACACGCTTGTGTGGGGCTTGATTCAAACGTTCCATCCA
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Dhase 4 DAY 306	74	TATEACATGATTACGAATTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGATAACATCTTTTAACAAAAA
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Phase-1 RCT-48	TIBADATIGATIAOZAATITIAAIADCBACTCAACTATIAGEGCCAAGGGCCAAGAATTCGGCCAGGGGCCAGGAGGCCTGGAGGCCAGATAGGGGGGGG
Phase-1 RCT-49	TTATCCATGATTAGGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGGCACAAGAATTCGGCACGAGGGGTGACGTGGTTGCTGGTTGTTTAATACGTGGTTGTTTGCAGTGGTTAGGGAATTGGAATGGAGGAGGAGGAGGAGGAGG
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		CATCTCACTAGTGAAGACCCGGAGGAAGAAGAAGAAGATTAAACTTGGGCTGGGGATTTCATTTTCTACAGTGTTGTTTTTAGGCCTCAGCGACC
		GCCARTGGGGACTGGAACAACAATAGCCTGCTTTGTAGCCATATTGATCGGCCTGTGCCCTTACGTTACTTCCTGCTCGCCCATTTTCAAGAAAGCGT
		твележаети поставления при
		(GCT1GGCGT

Prolibrating cell nuclear artigen gene Y0004.		CNCAACTRIGANICAGETTGCAACTTGCACTCAAAACGGGCCGCCGGTGGGTTGGAAGTTAGACGTTGAACTTGCACGAAAACGGCCGCCGTGGGTTAGAAGTTAGAACTTGAACGTTGAAGAAACGGCAAATTGCACGAATTAGAAGAAATTAGAAGAAATTGCAACTTAGAAGAATTGCTGTTGAAGAATTGCTGTGAATTGCAACTTAGAACTTAGAACATTAGAACTTAGAACTTAGAACTTAGAACTTAGAACTTAGAACTTAGAACTTAGAACTTAGAACTTAGAACTTAGAACTTAGAACTTAGAACTTAGAATTGCAAATTGCAATTGCAATTGCAATTGCAAAAAACAAAAAAAA
Prostaglandin H synthase	0,18060	TIGGBATTGGGCCCTCTAGATGCTCGAGCGCCCCAGTGTGATGGATATCTGCAGAATTCGCCGGGATCGCGGGATCCGTGACTACAGGTGCCTGAATTGCCCCTGGACTACAGGTGCTGCCCTGGACTACAGGTGCCTCAGGTGCCTCAGGTGCCTCAGGTGCCTCAGGTGCCTCAGGTGTGCCCTGCAGGTGTGCCCTGCAGGTGTGCCCTGCAGGTGTTGCCAGGTGTTGCCAGGTTTGCCAGGTGTTGCCAGGTGTTGCCAGGTTTGCCAGGTTTGCCAGGATTGCCAGGAGTTTGCCAGGAGTTTGCCAGGAGTTTCAGGAGTTTGCCAGGAGTTTGCAGGAGTTTGCAGGAGTTTGCAGGAGTTTGCAGGAGTTTGCAGGAGTTTGCAGGAGTTTGCAGGAGTTTGCAGGAGTTTGCAGGAGTTTGCAGGAGTATTGCAGGAGTACTGCTGCTGCTGCTGCTGCTGCTGCTGGAGTACTGCAGGCCCAAGTACTGCTGCAGGAGTACTGCAGGAGTACTGCAGGAGTACTGCAGGAGTACTGCAGAGTACTGCAGAGTACTGCAGAGTACTGCAGAGTACTGCAGAGTACTGCAGAGTACTGCAGAGTACTGCAGAGTACTGCAGAGTACTGCAGAGTACTGCAGAGTACTGCAGAGTACTGCAGAGTACTGCAGAGTACTGCAGAGTACTGCAGAGAGTACTAGAGAGTACTGCAGGAGTACTGAGGAGTACTGATGCAGGAGTACTGATGCAGGAGTACTGAGCAGGAGTACTGATGCAGGAGTACTGATGCAGGAGTACTGATGCAGGAGTACGAGTACTGATGCAGGAGTACAGTAGATTGAGTAGAATACTAGTGGAATACTAGTGGAATACTAGTAGAATACAGGAGCAGAATACTAGAGAATACTAGAGTAGAATACTAGAGTAGAATACTAGAGTAGAATACTAGAGAGAATACTAGAGAATACTAGAGAATACTAGAGAGAATACTAGAGAATACTAGAGAATACAGAGAATACTAGAATACAAGAATACAAGAATACAAGAATACAAGAAATACAAGAAATACAAGAAATACAAGAAATACAAGAAATACAAGAAATACAAGAAATACAAGAAAAAAAA
Proteasome activator 28 stpha	D45249	GAATGGGCCTTCTRGATGCTGGAGGGCGCCAATGTGATGGTTATTGATAATTGGCCTTGGAAAAAGAAAAAACAAAAAAAA
Protein O-mannosytransferase 1 (Pomt1)	NBM_053406	TATGACATCATTATACGAATTACACTATAGGGAATTTGGCCTCCAGGGCCAAGAATTGGCCAAGAATTGGCTGCACCAGGGGCCAGGACCAGTGCCCAAGAATTCAATACGAGAAAATTCAATACGAAAAGGCAAAAGGAAAAGGCAAATGCCAATTGGCTGCACCCGAGGACCAGTGCCCAGGAATCCCACTGCAAACATCGTAATTCAAAACAAAAAGAATGCAATACAATTGCATTGGATGCAAGAACATTGGATTGCACTTGCAAACATTGGAACATGCAAGAACATTGGAACATGGAACATTGGAACATGGAACATTGGAACATGGAACATTGGAACAGGAACATTGGAAGAGGAACATTGGAAGAGGAACATTGGAAGAGGAACATTGAAGAGAGCCGTTTGAAGAGAACATTGAAGAGAACATTGAAAGAGAACATTGAAAGAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAG
Protein tyrosine phosphalase alpha	L01702	GCTATGCATCAGETTGGTCCGAGCTCGGATCCACTAGTAGGGCGGCGATGTGGTGGAATTGGCCGTAACGAGGAGTTGGCAACTTGGTATTGGCAACTTGGCAACTTGGCAACTTGGTATTGGCAACTTGGTAATTGGTAATTTGGAACTTGGTATTAGGCAACTTGAATTGGTAATTGGTAATTGGTAATTGGTAATTGGTAATTGGTAATTGGTAATTGGTAATTGGTAATTGGTGG
PTENMMAC1	AF017185	GCGANTIGGGCCCTCTAGATGCATGGTCCAGGGGCCCCCAGTGTGATGCATGC
Pynvate Knase, musde	M24361	INTIGACATGATTIAATAGGACTGACTATAGGGAATTTGGAGGAGTTGGAGGGCCCAGAGGAATTGCAGAGGAGATTGACAGAGGAGGCCGAGAAGGTGCCGCCGTGGAGGGCCGAGAGGAGGCTGCAGAGGGCCCGCGAGAAGGTGCCGCCCGTGGGCGCCCCAGAGAGGCCTGCCGCGCGCG

		SALES CONTROLL SALES CONTROL S
katnoki X receptor alpha	<u> </u> L06482	GEGANTIGGSCECTITAATIGGSTGSCTGSGAGGSCGAGTGTGATATICTGGGAAGAGGTGAAGAGTGTGATGCCTCTTCTCCCACC AGAGGATCCCACTTTTCTGAGGGCCCCGGAACCAGGTCATCTCCGGGCAGGCTGGAAGAGCTGCTGATTGCTCCTTCTCCCCCC GCTCCATAGCTGTGAACACGCCGTGCCCCTGAACCAGGCTGCAACCAGGTCAAGAGCGAACTTGAACCATTTTGAC AGGGTCTAACGGAGCTGGTTCAACACTCCTCCATGCAACCAGGCGAACTGAACCAGTGCTGAACCAGTTGTAACCAGTTAACCAGTTAACCAGTTAACCAGTTAACCAGTTAACCAGTTAACCAGTTAACCAGTTAACCAGTTAACCAGTTAACCAGTTAACCAGTTAACCAGTTAACCAGTTAACCAGTTAACCAGTTAACCAGTTAACCAGTAACCAGTAACCAGTAACCAGTAACCAGTAACCAGTAACCAGTAACCAGAACCATGAACCATGAACCATTAACCAGTAACTAAC
Retinal-binding protein (RBP)	AA858962	TATEACATEATTACSAATTTAATACSACITCACTATAGSGAATTTGGCCCTCGAGGCCAAGAATTCGGCAACAACACTTCTTGGGCCTTCTTGGGCCTTCTGGTGATTGAT
Ribosomal protein L13	NM_031101	TATGACATGATTACGAATTACTACTACTACTACAGGGGATT I IGGCCC I CHANGACCHAGANI I CAGACAGGGGGAGGGGGAGGGGGGGGAGGGGGGGGGG
Ribosomal protein L13A	X68282	GGGAATTGGCCCTTTAAATGCTGCTGAAAGGGCCCAAGIGGATGAATTTCTAAGAATTTCTAAGAAAGAAGTTAAAGTATTCTGCCAAGGAATTGCCCAAGGAATTGCCCAAGGAATTGCCCAAGGAAAGGAAGAAGAAGAAGAAGAAGAAGAAGAAG
Ribosomal protein S17	NM_017152	TTCTATGACATGACTATTACCAATTTATAGAGGTCTACTAGAGGGGGCCCCGGGAGGAGGTACTGAGGGGGCCTGGGTATGACTCACACCCGGGGCCTGGGTATGACTCACACCCGGGCGCTGGGGGGGG
Ribosomal protein S8	NIM_031708	TCTATGACATGATTANGGAATTTANGGAGTGACTAGTGAGAGGGGGCAAGAGGGGGGGGGG

AGETATITIAGGIGNUACITATIAGANIAC ITGIGAATIBGGGCCCICTAGATGCTICGAGCGCCCCCCAGATATICTACAGATTICGCCCTTGGCCTTGGCCTTGGCCCTTGGCCTTGGCCTTGGCCTTGGCCTTGGCCTTGGCCTTGGCCTTGGCCTTGGCCTTGGCCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGTTGGCGTTGGCGTTGGCGTTGGCGTTGGCGGC	GGAATÄGGCCCNINGATGATGCTCGAGCGGCCNCCAGTGTGATGGATATCTGCAGAATTCGCCCTTGCAGAATTGAGGCTGTAGGGTGTGGAGGGCGCCAGAGGAGGGCGCGCAGGAGGGCGCGCAGGGCGCGCGGGGGG	TATRACATES I ACCASAL I MAINCAS MINIOSONIA MODERANIA MODERANIA TATOTOA CACACACACA MODERA CACACACACACACACACACACACACACACACACACAC	quattogocceterasafocatocaecaecae is leavisatione de controlle de contr	AGGGGGATAGIGAGANTITCACACAGGAAACAGTAGTAGCATGATTAGGCCAAGCTATTAGGTGACACTATAGAATACTCAAGGTTAGGATACTAAGGAATACTAGAGGTAGGATACAAGAATACAGAATACAGAGAATACAGAGAATACAGAATACAGAATACAGAATACAGAATACAGAATACAGAATAGAACAGAACAGAATAGAATAGAACAGAACAGAATAGAATAGAATAGAACAGAACAGAATAGAATAGAACAGAACAGAACAGAACAGAACAGAACAGAATAGAAGAATAGAACAGAACAGAATAGAAGAATAGAAGAATAGAAGAATATAGAAGAATATAGAAGA
AGCTATTAGGTGNCACTATAGAATAC TTGTGA CCAGTGTGGAATTCGGCTACC CCAGTGTGGAATTCGGCTACC CCAGTGTGGAATTCGCCTTGC CCAGTGTGGAATTCGACCTTGC CCAGTGTGGAATTCGACCTTGC CCAGTGGAACTGAGTGGAGGAC CCTCCGGAACAACTGGAGGTGTGG CGTCAGGACCTGCCCGCAGATT CGTGGAACAACTGGATTGG CGTGGAACAACTGGATTGG CGTGGAACAACTGGATTGA CGTGGAACAACTGGGCTGGAATT CGTGGAACAACGTGGAATTGA CGTGGAACAACGTGGAATTGA CATTGAGGCAAGATGGGGTGCTG CATGAGGCCAGATGGGGTGCTG CATGAGGCCAAGATGGGGTGCTG CATGAGGCCAAGATGGGGTGATA CATTGAGGCCTGAATTGAGGTTGCT CATGAGGCCAAGATGGGCTGAATTA CATTGAGGCCAGGTGAAATTGAGGTTGATA CATTCACCATGCCCTGAATTGAGGTTA CATCAGGCCAAGGTGAAATTGAGTTACATTACA	K15635	NIM_018192	X69021	M77478
bosomal protein S9	Sarooplasmic reticulum calcium ATPase	Selemprotein P	Sanscence marker protein-30	Sodiumbile acid cotransporter

		TOTAL STATE OF THE STATE OF TATE OF TA
odium/glucosa catransportar 1	D16101	ATTGGGGGGARANGATIGACA (USANGACOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCO
iorbitol dellydrogenase	X59037	ACGOGGOCTICTAGATGCATGCTCGGGGGGGCGGTGTGATGGATATCTGCAGAATTCGCCCTTTCACTTTCGTTGTGGCAAAGCAAAGCAAAGCAAACCAAAGCAAAGCAAACCAAAGCAAAGCAAAGCAAAGCAAAGCAAAGCAAAGCAAAGCAAAGCAAAGCAAAGCAAAGCAAAGCAAAGCAAAGCAAAGCAAAGCAAAGCAAAGCAAGCAAGCAAAGCAAAAGCAAGCAAGCAAAAGCAAAAAGCAAAAAGCAAAAAGCAAAAAGCAAAAAGCAAGCAAAAAGCAAGCAAAAAGCAAAAAA
Stationin	NM_017166	TCTATGACATGATTACGATTCTGACAGTTCTCTCTGTCTTCTGTCCACATGGCCATCTTCTGGTCATATTCGGTGAAAGAAGTGGAAAGAAA
Steary-CoA desaturase, Ilver	J02585	TATEMOATENTIAGEAUTIAN LAGGECULTURIANGES CONTRIBUTION AGGECTAGECTE CAGGECAGTICAGEC CONTRIBUTION AGGECT TITOTITO AGGECT TO THE AGGECT AGGECT TO THE AGGECT TO THE AGGECT TO THE AGGECT AGGECT AGGECT AGGECT TO THE AGGECT AGGECT AGGECT TO THE AGGECT AGGECT AGGECT AGGECT TO THE AGGECT AGGECT AGGECT AGGECT AGGECT TO CCAGAGA TO THE AGGECT TO THE AGGECT AGGECT AGGCT AGGECT AGGECT AGGCT A
Stem cell factor	AB009246	GCGAATTGGGCCCTTGAGGTCCTTGAGGGGGGGGGGGCTTGGAGGGCTGCCTGAAGGGCTTGGAGGCCTTGGAGGCCTAGGCCTAGGCCACAAATGCTTTGGCCCTTAGGCCTTAGGCCTAGGCCACAAATGCTTTGGAGGCCTTGAGGCACAAATGCTTTGGAGGCCTTGAGGCACAAATGCTTTGGAGGCCAGCTGCGAGCACAACGCGCGGTGTAAGGCCGGTGTAAGGCCGGGAGTTCGAGGCGGGCACACAACGCGCGGTGTAAGGCCGGTTCTTTAGGAGTTCTTTTGTCTTTTTGCACAACGCGCGCAACAACGCGCGAACGGCGCGAACGGCGCGAACGGCGCACACAACGGCGCGTTCTATTTCAGAACACGCCCAAGGCCGGAATTGAGCCGAATGGCGGGATTCAGCCCGAAGGCCCGCAAGCCCGCAAGGCCGCAAGCCCGCAAGGCCCGCAAGGCCCGCAAGGCCCGCAAGGCCCGCAAGGCCCCAGGCCCAGGCCCAAGGCCCCAGGCCCAGGCCCAGGCCCTCAGTCGCGCCCCCAGGCCCAGGCCCCCAGGCCCCCC
Sterol canter protein 2	M34728	TRICAM INSCRICTURAM INTERCENTENTIAL CONTRICTOR AND ACTOR CONTRICAGA CONTRICAG
Sufforansferase K2	A.[238392	INIA IBACATION MACANI TIMINACANI TAMINACANI TAMINA TAMI

		TO THE TRANSPORT OF THE
Superoxide disrrutase Mn	Y00497	TITINIDANTEGEGOCIOTIONANTICANGEGOCIOTIONANTICANO CANAGERIA IN CONTRINIDANTICANGEGOCIOTIONANTICANGEGOCIOTIONANTICANGEGOCIOTIONANTICANGEGOCIOTIONANTICANGEGOCIOTIONANTICANGEGOCIOTIONANTICANGEGOCIOTICAN
Syndecan-1	M31765	GNGAATTGGCCCTCTAGATGCATGCTGGGCCGCCGCTGTGATGGATATCTGCAGAATTCGCCCTTATCGCGGGATCAGACCCCATCGGCGTTATCGCCGTATCGGCGGGTTGTGTGTTTTTTCTCTCTC
Thioredoxin-1 (Tn:1)	X14878	gnonaeaangittatadpaagaadgadaaaagganaataadattilaatigaalisaaaaan eega yayaan yayaan gabaadaadaaaagaaaaagganaadgaaggadgadtagatti ggattinaagningaaggagaaggaaggaaggaaggaaggaagga
Trymidylate synthase	L12138	TIGGGGGAATTGGGGCCCTCTAAATGCATGCATGGAGGAGGAGTGGAGGGAG
Trymosin beta-10	M17698	NTGTGGGAATIGTGAGGGGATACCATACTACACACACACACACACACACAC
Tissue factor pathway inhibitor	010926	GANTIGESCOCITICAATIGATECTECTUAGECUSCUSTUSTING TO THE AGAGGGGTTGAAGCAGTGTGAACAATTCAAGTGGGCGGTTGCCTTTGAAGAGGGGTTGCCTTTGAAGAGGGGTTGCCTTTGAAGAGGGGTTGAACAATTCAAGTTGAAGAGGGGTTGCCTTTGAAGAGGGGTTGAACAACTTTGAAGACTTTGAAGAGGGGTTGAAGAAGAGGGGTAACAAAATTGAAGAAGAAGAAGAAGAAAATTTGAAGAAGAAGA
Tissue inhibitor of metalloproteinases- (U06179)	- (006179	CCARGITEI GITIGARAI I INCUCA DE SAN LACATOR DE LA CONTRATA DE COCARGAMATICATOR DE CACAGAMATICATOR DE COCARGAMATICATOR DE CACAGAMATICATOR DE CACAGAMATICATOR DE CACAGAMATICATOR DE CACAGAMATICA

		TELEGOTIVOUS AND TOTAL A PROPERTY OF THE PROPE
Issue plasminogen activator	AA924678	TITICCHOCHICITY ARANGEANANIANITNICOCCCGNINITICA (TGANTGANTIANICIATI II MASCINCATI II MASAGI IN INSWAINI IN INSWAINI IN INSWAINI I
Transitional endoplasmic reticulum ATPase	AUG9675	CINCAAAANNIAJAANNITTINGAAAOCAGGGGTTITINGCANNITTII INAAAAALONNINGGGGAATTATAAAAANTITITITITITITITITITITITITITI
Transthyreun	X14878	Trigetiencactatragatactcaaectategatroaaecttegracogaectegaaitocaatacaccusaisis beaan in ecoegaatoctrocaaectategatearcaaectroaaectegaaectegaaecoctegategaaectegaaeactegaaec
Tryptophan hydroxylase	X53501	GANNGGECCCTTGAGNTGANTGATGATGATGAGNIG IN IGAN IGAN IN INCARAGNIAN INCARANGAGNIAN I
Tyrosine aminotransferase	M18340	NCTCAAGTTATGCATCAAGNTMGGTACCGAGTGGGGGGGGGGGGGGGGGGGGGGGGGGGG
Ubiquitin conjugating enzyme (RAD 6 M62388 hamdogue)	. M/62288	TTGNGANTTGGGCCCTCTAGATGCATGCTCGAGCGGCCGCTGTGATGGATATCTGCAGAACAACATGGGGGTTGGAGGGGGTGATATATTGGAGCGCCTCTAGAGGGGGTGCAGGGGGGTGGAGGGGGGGG
UDP-gucuronosylvansferase	Y00156	ANININININININININITATISACATTAGEATTAGEACTCAGGGGGGGGGGTTTTTGGGGGGGGATGGGGGGGGGG

	AB006613	NGGGGAATTGGGCCCTCTAGATGCATGCATCGAGCGCCCCAGTGTGAATATCTGCAGAAATTCGCCCTTCGGGAATTTCTGCAGGAGCACCA CAGGTGCCCTGCGTGTGGCTGTGCCCAACCTACAAGATGGTGCACCTTCCAAGAGCCCCCGCTCCGCAATGTTGCCAGAGAACAACAAGAAAGA
Urinary protein 2 precursor	AF189441	CTATGACATGATTATACGACTTATACGACTATAGGGGCTCGAGGCCAAGAATTCGCGAGGGTTTGACATGACATTCTCACTTGCATTGACATTCACATGCATTGACATTCACATGCAATTCTCACTTGCAATAGCAATGCAATAGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAATAGTTTAATGCAATGCAATGCAATGCAATAGTTTAATGCAATGCAATGCAATAGTTTAATTTAATTTTAATGCAATGCAATGCAAAAAAAA
/acuole mentbrane protein 1	AF411216	TATGACATGATTAGGAATITAATAGGACTCAGTATAGGGAATTTGGCCCTCGAGGCCCAGGATTCGGCACGAGGAATTAGGCAGAGATTTATTGTG CAGAAGTTAGGTGGTGGCAGCAGTAGTTTGGGGGGTTTTGTGGTAGGGAAGAGTGCCCATTCCAACCTGTAGTATTTTAAAACATTTGT CCCTGAAAGGAGTTTGGCCACATTTAACATGGTAGCTTTGGTTTTGGTTTGGAAGGGAGCCCTCCATTCCAATCCAATCCAATTGTTAATGTTAACAACTTTAACATAGGTAGG
Vascular endothellal growth factor	AF062644	GCGAATTGGCCTCTAGATGCATGGTCGAGCGGCCGCCAGTGTGATGGATATTCTGCAGAATTCGCGGGGGATCCAGAGATTGAGCCTCTAGAGCGTGAGCTTCTCGCGGGGATCCAGAGATTGCTCCTCGCGGGATAGAGCAGAGATTGCTCTCTCGCGGGATTGTTTGT
938	D65100	TCCTCATGACATGATTAACAGACTCACTATAGGGGATTTGGCCCTCGAGGCCAGGATTCGGCACGACGTAGATTTTTTGAAGAAGTG AATGTTTACGGTGTGCACGGTCACGAGTATTAAGGGAAGTAGAGGAAGAAAACTACGGCACGAGGTACATTGGAAGAAGTG AATGTTTACGGTGTGCACGGGCTTCAAGAGGTCGCGCGCTCGATGCACGAGAAACAAGAACAACACGGAATTCAATGGAAAGACGCAATTCAAGGAATCCTCGGAATCAAGATTCACGGGAATTAAACACGCAAAAAAACATACGTGCCCATTAAACACGCAAAAAAACATACGTGACCGAAATTAAACACGCAAAAAAAA
Vesicular monoannine transporter (VMAT)	លទលា	TGATTACCCCCAGGTATTTAGGTGCCTGTTAGATTACTCAAGCTATGCATCAAGCTTGGTACCGAGCTCGGATCCACTAGTAAGGGCCGCCGAGTGT GCTGGAATTGCCCTTTATAGGAGTCGCGGCAAGGGAGAATGCCGATGTGTTTTTATTATATAAAGTGATGGTGGTGTGTGT
VL30 elament	M01235	TCTTRATCA/CATCATTA/CAATTTA/ATACGACTA/TA/TAGGGAA/TITGGCCCT/CGAGGCCAA/GAA/TICGGCACGAGGGTTTTI/ITITITITITI/CAGTC TCTCTGCACTACTCCTCCTTCAGTGGACCTCTCTCTGAATCCCCTTCTTTTTTTCTCACCGTGGAGATGGATG

		Cattle Control Cattle Control Cattle
Voltage-dependent anion channel 2 NM_031354 (Vdac2)	NIM 031354	CTATIGATION IN ACADAM IN MALLAMUL MANAGED MANA
Wafi	U24174	INCCLACTATAGAATACTCAAGGTATGCATTTAGGTATCGAAGATTATGCATGTATTAGAATACTCGAGGTGAGGGGGGGG
Zinc finger protein	AF001417	AGGTGTGNAATGACCGAGGAACTCAGATTCTTGAATTGACTACACATTCACCATTCACGATTCAGGGTAAGGTAACTTTGGTGTTGAGGGTAAGGTGGGGGGGG

						-	-							
Table 28. Expression Usta for 6 mour minepoint ()		П	П	П	П	П	П	П	7		DAP 750	APAP 250 A	APAP 1000 A	APAP 1000
Compound-Dose (2)	ANIT 15				5FU 13		3-FU 30	4032	1933	2121	2122	2123	7	2132
Animal Number (3)	1641	1642	1043	1287		OU OU	1	-			2		yes-near ye	yes-nect
Liver Toxicity Inflammation Classification (4)	2	2			П							000000	0.675.0	7 25 42004
Irreulin-like growth factor binding protein 1	1.2149296	12517433	0.84915197	24805	0.90306467	0.8451559	1,0900192	0.976455	4 2455540	1 1727684	1,045,368	1 2833676	2 BE52E97	22053692
Gadd153	0.7185743	0.93360734	0.89299875	0.98515403	1,0788583	1.0061168	2777677	4 4505424	1 07E1367	1 2891656	15202777	1,4129816	3,5845058	3.6551895
cenyc	1.5147784	1.0234506	1.1666878	1.0753578	1.0139033	3 92192745	12329302	1.0776528	1.0950306	1.1880271	1.1305571	1.1935551	3.8341188	2.9738463
NIPK	2.00000	0 754775	0 R34R302	1 1044714	0.8508792	0.8724679 0	0,95910275	1.516148	0.98383284	1.0476373	1.0222765	0.8983985	22613728	2.3019814
Cathepsin L, sequence 2	4 0000800	0.134102	0 8084754	1 2285612	1.26232	1.0781766	1.0228149	2.1180346	1.4203475	1.6522803	135/0095	1.1400157	14.160956	13,905331
Herre oxygertase	1,0300003	2013/1996 0	1.0601807	0.82013327	0.8571022	0.8349381	0.9887829	1.1498079	0.98945767	1.129926	1.1585151	1.1811211	1.103818	1292/822
Mase 1 KC 1-109	4 1005BDS	9959269	0.9293039	0.9752861	1.1564078	1.0602443	1,2281867	1.1411524	1.2150882	12539277	0.9835824	1.1830389	10101701	2 70063
Phase-1 KC1-111	1 2056043	1.3548754	1.1052656	1.1163688	659	0,92639107	1,3412305	12550868	1.0607688	1.3230845	12691153	1330101	23001430	7007017
Arguniosuculate lyase	0.9388551	0.8556753	0.9121408	0.93723226	1.0272744	0,91918546	0.8971369	1,0485382	0.9487124	0.66724284	0.789307	4,4602470	0.02020	14624204
UNA paymerase pera	1 1041718	0.9749814	0.9187694	0.9618264	1.1312801	1.0708319	1.0955011	1.1070962	1.1696253	1.1784744	0.9215163	1,15021.1	21 1500	00407607
Phase I RCI-103	12788398	0.9065596	1.1548477	0.97367836	1,0125843	0.85766274	1.1550902	1.0211258	0.98091185	0.84168054	10243926	0.727/8/3	170192	1 2013245
Chara-1 PCT-114	1,035299	1.1372324	1,1343927	1.097754	1.0130057	1.0401065	1.0474908	1.10819	1.143869	1.1143312	1,0504050	4 340549	THE TOTAL	1762AGRG
Phase-I RCT-15	1.015028	0.87750723		1.3613387	1.1846255	1,0383164	1.3739927	21224115	130230	1,1032041	1 2556816	1 1854746	17635239	1,9319863
Macrophage Inflammatory protein-2 alpha	1,050731	0.9662606	0.77550006	1.0411074	1.142998	0.98956746	1.3339355	1./423004	1.102/000		1			
NGF Anducible anti-proliferative putative secreted			0.000000	100000	_	Shorens	O DESERTA	1 114923	0.8335354	0.7367932	0.81529623	0.6968537	4.662477	3.1785836
protein (PC3)	0.8653699	0.845/1884	0.8580293	1.330/024	4.005.1046	0.3023000	1 \$180021	12372471	1 099133	1,1823797	1,1272792	1,3601147	1.4668018	1.7530032
Phase-1 RCT-191	1.5623/32	1.5632003	1.47/430/	1.1/0/1/0	200000	D 001743B	0 9300071	14257514	1.1607339	1.0810597	1,0614482	1,2351775	1.424583	1.3644404
Phase-1 RCT-63	0.91342384	0.83300843	0.9034064	1.620000	4 0476433	0001055	0 9734681	0 99004513	1.0027322	0.746723	0.82779	0.7408084	0.78411156	0.8646396
Cyclin D3	0.99564	0.986260	1.022/33	1,020000	4 443 4874	1 0400532	11160104	1,1134493	1.1800901	1,4123608	0.94678867	1.3253797	1.021704	1.132056
Phase-1 RCT-108	1.161128	1,0630478	1.0/30/29	0.9/4 2300	1 2130223	0 9005959	0.8563738	0.9861098	1.1243136	0.65041875	0.60336035	6119	0.61198235	39040983
Phase-1 RCT-56	4 54 2 72 8	0.91780314	1 0274042	0.627 10600	0 9275287	0.9309182	1,0336349	1.0270704	0.9549832	0.97594106	1.0763813	0.86944486	0.89472604	397311354
Phase-1 RCI-192	4 302897	0.0574019	1 472093	0.89483726	1.1647131	0.834103	1.2567677	1.1566842	1.0223076	1,015826	1.0514078	0.98286017	1.025/853	0.98331973
Phase-1 RCI-75	1 73R787	1 1087221	1.0561755	1 0338572	0.99467474	1.0801611	1.0705246	0.9494971	0,905874	0.69819765	0.89907426	0.9753878	0.846/9496	4 4 6 7 7 1 7 5 1 7
Aceny-Lost Cardusy asset	1,0366817	1,0162966	0.95344883	0.95345426	1,0826948	1.0283681	1.1074026	1.0729287	1,1134826	12640688	0.99045335	12225397	1.0013300	0.9170967
A total	0.79547	0.746842	0.9648181	0.95453435	1.1749218	1,1224405	0.8313363	1,2859528	1.408676	1.073538	1,1799178	0.0000	147474	1.6550812
Dhaced RCL49	0,929456	0.978838	0.9558389	0.9237543	0.9660717	0.9643093	0.9078089	12817378	1,08/2/44	743088	1,127,000	0.76014775	0.8844725	F
Phase-1 RCT-9	0.7835876	1.341155	0.9661726	0.65008634	1.0388534	0.8804139	0.92390306	0.08148234	1 2372/20	1 204577	1 4109555	1 1857488	13,548119	10.54845
Gadd45	0.863476	0.7835796	12540028	1.2413412	0.8108042	0.0948010	1 1914864	4 0104771	1 1181895	1 2460371	0.964134	1.1816987	0.98515403	1.1218158
Phase-1 RCT-156	1.026492	0.9991962	0.9347196	0.94124514	1.0090007	0 000561	0 98605583	0.8903232	0.9794978	0.6947838	0.8535968	0.69892776	0.9750005	0.96605873
Coffin	0.9732259	1.000313	1.108203	0.9330040	0.092050	0 93169713	0 92021677	1.4556537	1,0735358	1.1043243	1,3398445	1.1428993	2,67086	2 4201894
Phase-1 RCT-127	0.9/6/20	0.9/0448	0.3201/4	10015358	1 0375714	0.94267046	1.3448964	1.1044588	1,0287099	12771738	1.4294727	13512194	1.2765998	1.3482242
Macrophage Inflammatory protein-1 appra	123/20	1 095040	0 97457814	1 0491397	1.0469896	1.0496228	1.1140525	1.5749587	1,1378806	0.89145786	0.8872626	0.86899424	3,6127496	22239430
Zinc unger protein	0.889621	1 008032	1,0021784	0.9783914	0.99338096	1.0573082	0,88388574	0.9213241	8328	0.8614791	0.7951661	0.7951185	0.982465	0.732.00
City of the factor	1,176249	1,469906	1.2290528	1.275435	1.0654241	0.8631264	0.98503536	0.7506993	0.90021074	0.45845/55	0.03594304	0.430C.043	0.44057763	0 54209086
C4b-bloding profein	0,638898	5 0.702822	0.6216511	1.1421845	12480739	0.9044602	0.5361842	1.1773075	1,1656041	4 3765857	4 2894098	1.3655989	11.27298	11.646448
Phase-1 RCT-242	0.9511072	1.08114	0.9987483	1.9052056	0.9918053	1.026/856	1.14.34/02	4 5452804	0 6694196	1 107 1056	1 1057713	1.1992707	4,535991	2,916106
Phase-1 RCT-50	1.013455	1.025573	0.9750375	1.1502093	1.0498691	0.910000	0 7631653	0.96065116	0.9494209	0.7079693	0.68384865	0.5238232	0.8366218	1,0346955
Hongation factor-1 alpha	0.87610	0.08442417	4 0350156	1.05107	0.9519326	0.8054252	0.9437879	1.5262783	1.0779074	1.048401	0.98791605	1.2108377	9,811679	8.983649
Integrin betail	4 402659	1 058069	0 93709224	1.1774904	1.0835743	0.9621217	1,7037994	1,2830559	1,1846429	1.4008025	2.1828523		2.205.27	2.1991937
Insum-tike grown tagot provent of	1 207957	1,113650	1.0195632	1,0166749	1.0430996	1.5573233	1,5939119	2,8676443	1,8918239	0.85736895	1.029799	0.90087783	1 001414	4 13mm178
Phase 1 RCT-76	1,122176	3 1,113533	3 1.0195216	0.9265503	1.0366554	1.0362774	1227221	1.0510081	1.121528	12804/83	0.901333	1 0000016	1 4230838	1.6446908
Fertilin H-chain	0.683510	1 0.670028	3 0 64231724	0.8880591	1,0051687	1 00027979	0.68664884	0.845/2830 0.845/2830	0.904 255	0.70865864	0.6811191	0.859179	0.6468432	0.74829894
Selenoprotein P	0.5930471	4 0.695646	6 0.8178037	0000000	N. BYOLESO	0.8790798	00486701	0 8775019	1.043937	1.037581	1.0502121	0.98552716	1.0813621	1.1809386
PTENMMACI	1,011,000	4 008525	1 160013	1 1001635	1.169987	0.92328805	0.94449278	0.78651007	0.95480436	0.78922087	0.73023254	0.7106905	0.5689397	0.48930588
Phase-1 RCT-214	709037	7 0 8823150	4 0.8441673	1.1162664	1.0130807	1.0799152	1.0148387	1.0971308	1.0224217	12/72213	1 2287 436	1,5205525	1.1335243	1.1810863
The middle conflore	0.99411	2 0.9508651	5 1.018478	0.98182255	0.94557154	0.9555261	0.94741684	1,0293771	1.0063599	1.3532429	12/22/1	1,4698433	7515804	1 0108314
Dheer RCI-13	0.4052333	5 0.4195257	7 1213411	1.0229819	0.6979534	1,1635835	0.4366005	2.2068365	0.58518386	1,4003272	0.335/28 0.6767690	0.234834	0.6281483	0.51617575
Nichocome assembly orolein	0.608387	3 0.898736	1 0.88137436	0.9334248	0.8806569	1.069418	0.5712067	0.6767356	1.205651	4.2057243	TACARO A	1 1924791	0.52899027	0.5434874
Chalesteral 7-alpha-trydroxylase (P450 VII)	0.930302	9 0.950972	8 0.541892	0.6835922	0.871769	1.1795971	0.89638/4	1 35515	1 2248831	1.0254716	1,1802958	1,3151197	1.0842383	1.0661056
Vestoular mondamine transporter (VMAT)	0.8782118	6 0.834431	8 0.812572	1.1823434	0.91331136	1,0220330	0 ans 4528	0.9575025	1 1068703	1 1250427	1,2530557	1,3772081	1.1488106	1.113248
Phase-1 RCT-260	0.88367	0.906416	1 0.9006660	1.018040	0.8330320	1,100012								i

!				İ			0,000,00	10700000	0.000000	4 2254445	1 2512BAST 0	71845216	2 0377538	1.40487
Prase-1 RCT-32	0.8827684	0.9313205	1.0993105	.89334613	.95817477	0.9386547	0.8178548	B/022348	0.3910419	1 1725442	1 2625061	1 265082	1.0965492	.0650314
Paroxisome assembly factor 1	1.0167307	1,0049499	1.088920	4 0000016	07400677	0 8347489 0	96911025	1,001063	97235346	1,0602769	1.1446478	1,1321105	0.937768	.9086896
8-cxoguarine DNA glycosylase	Secure Control	0.9330749	0.931/02/	0727004	56700196	1 0768925	0.9286189	1.0180067	0.9677689	1,021052	1.088598	1.4619927 0	94774914	.0070275
Phase-1 RCT-82	1005101	1,0173092	0.30737581	1 1776943	95202214	1.0879039	1,060941	89536834	1.1674296	0.7833282 0	.90605485	1.0473763 0	84205836 0	88586624
Matrin F/G	277	4 0000000	900000	1 0108513	93823954	1.0989816	1.049521	0.9817124	0.990796	.68751085	0.9816803 0	.84093505 0	.89921665	106/0260
Phase-1 RCT-184	1.0250001	4 444447	1 1195064	1 0363439	1,0026037	1,0913441	1.0027974	0.6916419	0.7936948	0.6464934	0.704383 0	66841847	0.5713801 0	54813814
Phase-1 RCT-168	1.1201350	0 83010844	0 73051864	0.8959353	1.1908362	1.1802434	1.1453332 (77809715	.89982486	1,2396293	1.1238561	1.575786 0	68064195 0	94612953
Prase-1 RCT-119	O STOREGO	00000000000000000000000000000000000000	0.05267754	1 0839673	1 1600535 0	38070115	0.8517323	38110027	0.7207131	0.614044	0.9672662	0.8712167	0.08870	00000
Carbonic anhydrase II	0.0548554	0 92974365	0.9538499	1,0017949	1.0800281	1.0654569 0	94826573	0.85462034	0.9942221	0.8289104	1,0033842 0	525/0196	0.78304	2001000
Tryptophan mydroxylase	1 032324	1 1339133	1,0255277	0.8791432	0.9620208	1.0309701	1.0340916	1.035196	1.1684034	1.0356438	1.117964	12409624	1075475	0207168
Mase-1 KCI-/1	96992280	0,83785963	1,039075	3,87187785	1.075666	1.0227627	99122983	1.4609925	1.1311903	0.9943913	0.981829	50001304	1,010410	0 9613807
Direct DCT-161	0.96298325	1.008041	0.9222848	1.1400217	1248987	1.5738437	1.0985065	0.5286984	73277116	6 0.49212343	1 3113830	1 3813392	4 08 19297	4.76018
Discart PCT-207	1,289143	1.1662071	1.1077025	1.0282483	0.9924706	1.0921209	1.4034077	1,958303	1.3692906	1.1813170	1.3113023	4 4440645	13522149	13438575
Dissert DCT-444	0.9853792	0.93719596	1.0796523	0.8835513	0.98043543	0.95431006	394571644	1,5438249	Cacaca	1.1053131	1 3701325	13017961	0.9779037	0.8794202
Direct DCT 225	0.5667768	0.85960907	0.79998446	1,3262959	1.0230334	1.954339	0.6422282	1.348/15/	1.7447030	1,3202674	4 moca18	1 2040545	0 6245352 0	70047796
Cardrome Bash 954	1236674	1.3538622	1.2765536	0.7364896	0.8136099	0.7925297	0.94907326	0.5908919	0.75149363	C#5021 18.0	1,000001	610000	1 5057205	1 4065558
	12276917	1.2966	1.2033458	1.107182	1.0950371		1.2433068	0.902066/7	0.9873641	75701504	1000000	RORFIDER (A5855347 C	88265425
Thioradoul-1 (Trx1)	0.79172605	0.7348733	0.94008046	0.8722432	0.95570135	0.91150415	0110//0/10	10000	ACCESSON O	0 258654	36913165	0 23670937	24521983	27326313
Codonic antroduses III	0.4845098	1.079574	0.87449306	1.1657006	1.4908164	1,8716092	10000	1004019	1.4000cz4	4 4445035	4 4 4 7007	1126574	1 1887983	1,203068
Phase-1 RCT-140	1.1334783	1.107094	1,073868	1,0335988	1.0582525	0.9834251	1.1391561	1.052/6/8	1.035004	0.6437173	62986076	0.60931486	0.352586	0.51876795
Complement component C3	0.6670244	0.82058764	0.7960685	0.92577666	1.0361869	11695691	0.04032300	O SECT TRRE	0 9273129	29 0 89812535	0,82952166	1.150218	0.6771162 (.68062264
Glucokinase	0.9828909	0.98071486	0.8488332	0.85679567	1.0348236	0.0404039	1 4649805	0.767325	0.8595754	1.097921	1.3107016	12420429	1.160007	1.1234516
Phase-1 RCT-173	1,8717891	1.401224	1.1062146	1.0103567	0.83808480	4 0454627	1 0078869	0.89735973	1.0008476	1,1225715	1,1088964	1.1614009	1,046165	1.1469325
3-methyladenine DNA glycosylase	1,1190752	1,0959403	0.0122000	1 4467046	1 0778381	1 2019 639	0.80392516	1.169988	1.0694281	0.8714904	0.88963246	0.7694708	0.9538303	0.8035187
Perodsomal multifunctional enzyme type II	0.83563/33	0.97.512.94	1,0/17400	0 0737337	1 169917	1 1055082	0.7467327	0.71413106	0.915378	0.68443348	0.62506306	0.61273617	0.5150169	0.6354469
Phase-1 RCT-40	0.8289238	0.8246514	4 274 4507	0.0732337	4 0748038	0.97971973	0.6202778	0.46265554	0.90998995	0.56963843	0.52762556	0.6322364	0.33924252 (25388783
Senescence marker protein-30	0.5550317	4 0574047	4 0437767	1 2199423	1 1420199	1,022032	12676705	2,8617885	2.9459188	1.204908	1.0808052	1.218994	2.001303	1.7633366
Cyclin G	4 4423772	4 478473R	1 2164025	1 1366633	0.8162779	0.7222134	1.0494608	0.88587084	12314706	0,7085851	0.88864416	0.6266244	0.7820343	0.307084
Melanoma-associated amagen Michail	0.04715975	0 96792213	0.9822058	0,99291503	0,9337672	0.8633382	0.87954295	1.0810295	0.92322934	1.1740156	1.033144	1.1424403	1.0714032	0 9000017
Phase-1 RCI-28	1 0191764	1 0759492	1.0692528	0.9517204	0.9541177	0.9228342	1.0399038	0.8749907	1.0325296	0.9655744	0.85779625	1.0044427	0.5020873	47232637
Finent Action descendes 4	0 9225982	0.5545838	0.7756867	1.4592851	0.6129448	0.96786445	0.7051673	1.0081229	1,4210922	0.9526168	0.651253	170736777	72663015	0.6381391
Stom sell factor	0.77853763	0.8548129	1.1513512	1.0943563	1.1137605	1.0290896	1.1043288	0.726838	0.9732372	0.070334	0.00000	0 99385834	0.55260116	0.5337101
INK1 stress activated protein idnase	1.1332415	1.0061189	0.6026028	1.1171154	0.9877362	0.97407126	1.0081737	1 0570236	0.86294304	1 1377788	1 4228611	1.4627852	12102388	1,1255163
Protein tyrosine phosphatase alpha	0.8980849	0.9161793	0.8906597	1.2445596	0.8847421	0.859/6356	0.6534668	1.05/02/0	0 786E2443	0.0072486	1 4095879	0.99054354	1232559	1,0003196
Phase-1 RCT-55	1.1767752	0.87612486	1,0162835	1.1302994	0.8314361	0.74625/25	1 032/23/1	1 0014711	1 0445465	0 7004565	0.91007024	0.64278066	0.8069672	0.7713166
Uniquitin conjugating enzyme (RAD 6 homologue)	1.1594281	0.9303154	1.1112452	1.0631553	1.0487088	0.9624461	1,0/6/33/	7	0.97743636	0.48036045	0.5703286	0.48492664	0.31742084	0.51147395
DNA topolsomerase t	0.80546576	0.92919254	0.9849191	1.0/61061	1.0567/38	1 0683718	1 1481214	0.47884068	1.2119995	1.0552299	0.94076675	0.92964274	0.74717295	3.59449005
Phase-1 RCT-280	0.9341313	1.180405/	1,0305430	1 0441002	1 0701905	1.0922582	1.0634749	1,2846715	1.1412678	0.943614	1,0953131	1.1041778	1.1113485	1.099426
Superovide dismutase Mn	4.0062243	1 2097278	1 7881792	0.9839663	1,1028981	0.9777419	0.99375796	1.1215174	1.1007712	1.1863842	1.1575985	1.5152087	2.134808	1.8188515
Beta-tubulin, Gass I	0.0207973	0.8068559	0.69741136	0.88971555	12166642	1.1596872	1.0428456	0.77601653	0.87230325	0.9323026	1,0151/9	01916771	4705005	4 4750554
Carbamy prospirate synthetise	1.0698533	1.0104213	0.9836826	1.076499	1.0078063	0.9198508	0.99395	1.0150907	0.92184925	1.1155691	1.1326233	1.1014134	2 0588474	1 5132947
Deced DCT-141	0.7327411	0.6864816	0.8959347	1,0486605	1,1783115	0.81447345	0.75746655	3.0336473	12983643	4 0540734	4 04 85055	4 5055972	1 2935524	1 274424
14-3-3 zeta	1,2509897	1.2516987	1293437	1.079549	1.1617604	0.91449684	1.0831653	0.9453036	0.6356491	0 8625465	0.8100234	0,83662826	0.9966418	3,83173895
Gamma-actin, cytoplasmic	1.4271642	0.8560211	1.1279556	0.7292805	0.736201	0.7503387	0.5554017	1 2161045	1 0157439	1210838	1,2890612	1.254028	1.6759192	1,6898803
Ribosomal protein L13A	1.016835	0.878484	1.0451044	0.8U432014	0.9913541	0.83540523	1,0308557	0.9035946	0.84188706	0.86594176	0.83265543	0.7996375	1.0706235	12372183
E-gyll	4 2033486	4 2809784	13219572	1.3819382	1.1425153	1.0306206	1.3208362	1,0988663	120215	1.1361784	1.0753907	1.3248705	1.7103213	1,347,3437
H7256-1 KC1-65	1 1578233	1268442	1,376932	2.0682418	1.1732258	1.1112821	1,377724	1,4478137	1.6327779	1.1723542	1.1812063	1.3416333	37305046	4 020015
Protein O-mannosytransferase 1 (Portit)	1.1774017	1.344861	1.0215157	1275086	1.153043	0.97173065	1.1790323	1,1322439	1,2059441	1238121	0 9116784	1 279309	1.7972816	1.6118803
HMG CoA reductase	1,7207144	1,699744	1,2101685	1,4724839	1.1811922	1.0/14/84	4 0046404	1 19274R3	1 1655643	1.1849275	1.1275822	12527441	1,3160306	1.365736
Phase-1 RCT-12	1,0254316	1.151488	1.197695	1,0065945	1,098713	0.00000	1210467	1.1357						
Interferon related developmental regulator IFRD1	-	0 27550754	0.75407004	0.8944311	1.0828478	1.0075552	0.67617315	12359542	1.0848296	0.93313855	1,0134275	0.8854412	3.0686626	4.0263376
(PC4)	0.665063	4 087078	_	0.7396188	0.6387257	0.71638685	0.74514925	0,9957808	0.76646173	0.9620943	0.7118446	0.7170355	1.6280991	1.4112222
Glucose-regulated prolein /8	1 068898	1 001487	0 96323836	1.0936232	1.0432448	1.0601586	1.0656419	0.8712314	1.0014613	0.7063501	0.77522147	0.7573767	4 02/2546	4 7658768
3-bea-hydroxysteroid denydrogenasa (n.5.555)	0.0144713	0.869520	5 0.8474238	1,0391459	1.007894	0.8921997	98656588'0	1,0158961	1.0174546	1.1193326	1.1750544	1 2268109 1 3380578	13169174	1.3159388
Observe a Der 180	0.958235	908800	3 0,8885882	1.1951162	1.1469896	0.9475765	0.93811446	1.1769083	1.1695924	1.1844944	1 2230345	4 0758457	2 1165/79	2.3839889
Phase 1 RCT-197	0.846659	0.846482	0.83224696	1.1923697	1.0633507	1.8126094	1.0277888	1,8494068	1.7913419	1.1012400	1 0768808	13125105	1,643493	1.9507734
Phase-1 RCT-34	1.466459	1.10421	1.33316	0.79813775	0.89131916	1.1544540	J.Z/130	0.00000						

												1 2000001		9
Bhasel BCT.72	0.9564911	0.88003176	0.9346035	1.1585289	0.9473144	0.9802647 0	1.95887256	1.029165	1.022861	1.07.7055	1 2496331	11756511	1,7246149	.6991045
Pyruvate kinase, muscle	0.95350647	0.853659	0.87635524	1.0531771	1.05/5631	1 2343745 0	80012554	0.8263924 (1,88176564	0.7301203 0	73174393 0	70133836 0	43791983 0	47301614
Phase-1 RCT-288	0.84309953	UBSATETZ	0.53018534	4 1820106 0	M322634	0 8943565 0	97609778	0.9864504	1.3799021	1.1146451	1,220195	1.3216423	12583747	2820383
Phase-1 RCT-90	1.032489	0.9/5/4/34	0.361/5/45	1. 1023 100 0 E730504	0 774234	0 5245487 0	74365115 0	1,69333726 (0.96459986 0	.91930676	0.7912307	0.8051173 0	36983213	5986275
Cytochrome P450 2C39 (atternate done 2)	0.8832141	0.560/0945	0.93007.003	0.0010000	1 104331	1 0823394	1,7100304	1,0216194	0.74596626	1.0489192	1.0824287	0.9900575	2,2861464	8439376
Phase-1 RCT-290	1.2162371	1001100	4 2540330	4 3038242	1 403033	1 1883374	1,2383997	1.224219	1.3283404	1.1610305	1.1078684	1.0888805	1.153341	17/0813
Phase-1 RCT-261	1225/200	1 2003/15	1 00317	0.7870563	1,1560696	1.1239436	1.0128034	0.5817532	995433	0.9522615 (1.96616206	0.7990929	0.6415165	7453044
Methylacyl-CoA racerrase alpha	4 1270197	3 549854	2,6533437	1.2452704	0.902285	0.8784901	2.1181555	0.9932044 0.93	569535	0.83923704 0	73133954	1.3423/24	1 5466844	3615861
Cytochioma P450 1AZ	1,422,888	1.0447433	0,81554735	1.3680638	1.0958302	0.9028473	1.1800603	0.7937513	0.84450783	1,0112470	0 1317/00	73155093	0 4440229 0	56101847
Monosmics addaca B	1.0839307	0.98587376	0.7200091	0.9816009	0.9676696	1.0147059	1.089638	70001566	53105	O BEODESON	0.846331	0.5021753	0.5748381	5340478
Phase 1 RCT-264	0.63533145	0.97636575	1.1973938 (0.90843767	1.1355782	10404954	0.8193962	1.0581055	154052	1 2448276	1,1345785	1,5170406	1269258	3,9505113
Permisone proliferator activated receptor garmra	0.9240714	0.8528097	0.9166532	1.1634672	1.075334	4 054999	0.3/31340	0.8536944	0 9307585 0	71750087	1,87300116	0.7889691	0.65028137	0,5850387
Phase-1 RCT-143	0.8521599	0.8642794	0.9849104	0.92459774	1.0085012	1.031330	2736B	O BOSEAR	1.0478851	0.9490682	0.9546205	1,0317339	65546733	0.5012586
Phase-1 RCT-251	0.9526625	1.1876584	1.1152831	0.91662896	0.9460465	97/0/200	1 2220548 /	0 84309366	0.0905883	0.9256764	1.2491492	0.97392803	,61586004	0,8481982
Phase-1 RCT-117	1,1893967	1.1688137	1.0485405	0.8834439	1.135/624	0.3740430	0 9078696	91071685	0.9733257	1,2857451	1.2806506	1,0091866	0.8065484	0.9228748
Gutathione S-transferase theta-1	0.96374315	0.8856904	12196623	0.76085355	1.30405	0.334 37 13	0.97850014	0.8757727	0.9377561	0.9758859	0.9715273	0.8557639	0.8243493	88446595
Phase-1 RCT-91	0.97731733	0.95016503	0.9976.8005	0.8656341	0.6720304	1 0828891	1 0196925	0.59398764	0.8558292	0.95976067	1,0229719	1.072214	0.763224	86646205
Phase-1 RCT-148	1.1965044	0.9801294	4190000	00707000	0.000	0 9912571	0 9259733	0.8852158	0.8679702	0.762465	0.8210616	0.7297462	3.64819115 C	62466264
Phase-1 RCT-142	0.9905783	0.9305963	000/201	4 0055364	0.57500	0 8787396	10398839	1,0481539	-	1.2878807	1.1565338	1.1623522	1,0592555	1.0972803
Activin receptor type II	1.1541942	1.2686503	72/01/11	1 2779304	4 1860873	1.916477	1.1392008	0.74327296	0.80330944	1.011383	12301252	13423835	1.858038	2 67 19205
Glydne methytransferase	1 071095	1.1165307	1.1198	0.97586524	1.1083032	1.0220507	1,0186597	1.0179527	1.0857853	1.0679072	0.9132031	1,0003561	0.92041975	97968405
Phase-1 ACT-201	1.0169834	1,0256687	1.0394446	0.9708671	1.0406663	0,918625	0.9167962	0.97976565	0.9456443	0,8870469	חששמות	2	1	
Gao junction membrane channel protein beta 1 (Glb1)					, 0000	4 0500000	4 3005473	0 89641917	1 0387015	1.1246378	1,388952	1.4917642	12714666	1,5413171
	1,3278137	1.4830731	1.03/1231	1 2003/4	ACR242824	0 9198806	0.98431784	1.0747685	0.9705084	1.1603745	1,2019895	1254912	1,119182	1.0640007
Phase-1 RCT-96	1.0653/34	1,094,3800	1.0920233	4 0144409	1 0905342	1.106405	0.8173018	1.0597137	0.9243385	0.77454823	0.84122634	0.78073776	0.76181155	69/53/24
Phase-1 RCT-287	0.88518196	0.829/70	0.8588591	1 0955151	1,0324053	1,3052078	0.8627825	0.9418528	0.9136987	0.58067125	0.64201208	0.5301366	0.5536498	0.5763639
Relind-binding protein (RBP)	0.027 00000	0 855904	0 93707675	0.967678	0.9068791	1.1374109	0.76930827	0.8613012	0,7677181	0.6644632	0.7183645	0.6261649	0.7130077	0.004823
Very long-chain acyl-CoA synthetase	4 035302	1 0094895	1.1457094	0.79508195	0.89437425	0.8770514	514 0.96620095	0.78573114	0.856011	0.592687	0,50747343	0.06020135 0.043	1 2424147	12109761
Syndecan-1	0 9388723	1,0049616	1,0343189	1.0131984	0.99211097	0,96670246	0.8661629	0.9691083	1.0018698	1.0465607	1,0232813	0.9707174	0.92589974	0.8343042
Statutal DCT-146	1,0087237	0.97600526	1.1054964	0.8825721	0.91477126	0.8353438	0.96983373	1.28536/3	1.0329736	0.0624152	1 0869367	1 2281425	0.7921603	3,81548977
Avio	1.0847744	0.9299211	0.98411864	0.96994424	0.98413694	1.1391876	1.1118347	0.00094013	0 9277353	0.7762529	0.8744834	0.8801087	0.828853	0.9517314
Phase-1 RCT-89	-	0.9434839	1.0478032	1.0486895	1.0830421	1,303439	0.93007070	0.0549313	0.90020853	1.137184	1.1231465	1.1083212	1,1310183	1.2480335
Saroplasmic reticulum caldium ATPasa	0.73965806	0.73009294	0.7690976	1.0051636	0.8858995	7,900,000	4 1263650	0 9696157	0.80957204	0.985006	12280985	1.008187	1.8841972	2,5372458
Alpha-2-macroglobulin, sequence 2	0.984683	0.7993588	0.8231666	0.89006279	4 0605644	4 000000	0.05523745	0.97000533	1,0281935	1,0282518	1.0849814	1,1127936	1.5019838	1.5861345
Phase-1 RCT-204	0.93280405	0.99655657	0.9401906	1,0095606	1.0505044	0 91991943	1 1684376	0.91135687	0.95697427	1,1636794	1,0524487	1,3334199	22401986	2.858347
Vescular endothelial growth factor	1.2493768	1,1561841	1.1120221	0.302.001.04	C.Cordon									007
NADP-dependent isodirate dehydrogenase, cytosolic	1 0143814	1.0535113	1,3957092	0.8232184	1.1088023	1.0472747	0.91196984		0.65799296 0.88008785	0.81534255	0.83454865	1.74646556	436939	1 0442419
DNA Nation protein labibitor (D2	1,0428979	0.66923255	1.0131096	0.9066133	0.9448855	0.96543586	1,008769	0.6851281	0.725/5/9	7,039/46	1 3324105	1 0421505	0.49010763	0.5406707
Ciutafhine Stransferase Ya	1,5458685	0.85021937	12858434	1.0022565	0.89234436	13553255	1.1505313	0.500000	0.00332013	1 3100339	1.0379293	0.5125836	1.0139183	1.0915428
Ecodde hydrolase	1.4003818	1.7141145	1.500072	1.1006428	0.88695186	0.7134371	0 5042536	0.59857085	0.9467208	0,817065	0.75800014	0.59739584	0.72671026	0,65689576
Insulin-like growth factor 1	0.65202204	0.72869986	1.2646191	4 9040934	1.1148512	1 257R488	0.7870607	1.3795264	12368779	1.1349885	1.1775794	0.9812163	1,3196219	1.2930218
Prostaglandin H synthase	0.6796555	0.783/2/2	1 1308107	2277FPP 0	0.9138194	0.98363465	1.0977178	0.846015	0.91688344	0.9493491	0.9203646	0.910329	0.81928563	0.8494735
Phase-1 RCT-136	1.205/1907	0.0277001	1 0380038	0.8725573	1.0375621	1,1725663	0.8362243	0.6969725	725 0,8881493	0.5855982	0.7515884	0.6379983	0.46354896	0.49/630//
Phase-1 RCT-137	0.1304231	0 8093415	0.9723332	0.8072248	1.1245294	1 225125	1,0000511	ă	0.95171237	0.787761	0.8446415	0.7240472	0.0437.0337	0.773385
Phase-1 KCI-136	1 078395	1.1296711	1.2458915	0.74529153	0.9283177	0.86279094	0.91632724	0.5429132	3 :		231 U./400430#	0.7683267	0.8586687	0.90231526
Decree 1 Det 364	1,131684	1231427	1.1795065	0,9646134	1.0430844	1.0627495	1.1070459	0.8529349	1.0133013	15 0.700 loads	0.85251546	0.75562495	0.85229826	3.80385105
AcA-CoA dehydrogenase, medium chain	0.80407876	1.0072122	0.9525481	1.1192042	1.1020119	121423/1	1082462776	1.0336137	1 2520822	0.982722	1.1346374	1.0045824	0.96638477	0.9889808
Giutathione S-transferase Yb2 subunit	1.160178	1.2692018	1.4164796	103/1221	1.11446/3	4 0003345	1 100142	1 0282774	0.9654806	1 2251304	1,3007454	1,1525749	1.1401638	1.0763706
Carbonyl reductase	1.15236	1.1488292	1.1330457	1.0314/1	4 03345174	1.0003343	0.89377186	0.99061215	0.9823468	1,1381935	1.0730559	0.9484111	0.952361	1.0897269
Phase-1 RCT-168	0.783972	5 0.83002454	70000711	1 0301288	1 304937	1.0144111	1.0111132	0.6808609	0.6363542	0.8957379	0.82318604	0.7215322	0.7864073	1,0301316
Apolipopratein E	0.874261	0 68042874	0 93197507	0.8202995	0.8816778	1.113022	0.690972	0.46444863	1,2046869	1.1937447	1,308419	1.1585112	0.7010069	4 0608448
UDP-gucuronosyltransferase	1 2/1442	1 1220790	5 1.3743871	0.8096741	0.8900951	0.9082653	1.0145986	0.6262922	0.96130544	1,0509957	0.825887	1,200,11	0.81224203	0 69838613
Gutathione S-transferase P1	0.973959	2 0.992621	1.1789943	0.88482493	0.8799346	0.66934717	0.9972232	0.8343288	0.86651015	0.92806315	0.78176037	0.814/026	0.5930192	0.87275976
Discound profeio 143	0.949965	1.113796.	2 1.0332932	0.9368091	1.1150093	1.1043978	1.0042298	1 5525540	1,075032	0 90040785	0.87961984	0.75866467	0.5258535	0.7135315
Centoplasmin	0.864354	7 0.801033	6 0.8777034	0.98686874	1,0178937	0.9248770	1 001044	2071185	1348859	1,0438895	1,2793287	0.9842761	0.90140283	1.3067448
Inter-elpha-inhibitor H4 heavy chain (lih4)	0.9651744	4 0.877922	9 0.89111847	123/01/	12/30/20	0,300,00	1,001001							

									1	0000000	1 0005400	1 0432041	1 0485872	1 053985
Phase-1 RCT-3	1.0014223	0.9760163	0.9975413	1.0062337	0.9763133	0.9059874 0	94950706	1.0/56158	195636615	1.0780300	0 900381	0.8208613	0.7942998	1.165241
Fetuin beta (Fetub)	0.8387632	1.1367823	0.89048463	1.5560211	1.056/641	1.4480632	1.0313430	0 8536715	95606256	B5974425	0 9485724	0.87935644	0.7591783 0	96705186
3-hydroxy/sobutyrate dehydrogenase	0.9393011	0.88664	0.8416035	1.1010541	1.12/02/10	4 440501 0	06757178	0.8718083	87584263	1.0716652	0.8180247	72626709.0	55053115 0	79115176
Carbonic antivorase III, sequence 2	9.6559076	1.0276418	0.65776825	1.2548918	91435223	1.994001	30131120	0.0520011	1 0483671	0.816404	0,8563308	0.82398856	82983926 0	89867145
Phase-1 RCT-10	0.9536274	1.0270263	10144612	1.0028653	1.0/81438	1.304047	0.5000000	4 04 05 080	4 0007162	0.6502653 0.661413	66141397	0.7001814	0.6964314	0,5318034
Alpha-2-microglobulin	54149604	1.0234103	0.6643646		0.99663130	4 3380022	4 ARSTOSA	0.9051143	0.8842597	0.965939	0.92382306	1.0993065	0.7836047 0	.06798143
Dynamin-1 (D100)	0.9495588	0.9167283	0.75918365	4 633047	0.0787220	1 1364353	0.8178429	0.9022007	0.87679636	1.1956792	0.90965146	1.1086807	1.0892727	1,0623615
Lysyl oxidase	0.7465436	0.73033,056	0.0000107	A DOCTARE	1 1563091	1 2452666	1.1677486	0.7451959	15831	0.88049626	0.96871144	1.0552428	746230605 0	0.62228030
Phase-1 RCT-252	4 0306143	1 0344607	0.0855687	1.1054896	1,1241933 0	0.96692127	0.9764181	1.37337	1,1116872	1.0979284	1.2072444	1.1323808	1.1240138	0.0544468
Phase-1 RCT-29	8070700	0 0443374	1.08012	0.9869847	1,1606674	1,0787243	1.0161641	1.3803785	1.1357156	0.8778409	1,03901/1	0.6035040	1 0200001	00144507
Phase-1 RCT-278	1 0917215	1 1754413	1.1354531	0.9775448	0,98893505	0.96122247	1.048277	1.0677241	3614		0.91/622/3	1,00001	0 0547875 0	95932114
Phase-1 KCI-42	1 0447266	1.0226923	1,0078472	1.0622697	1.1032265	1.0047042	1.0828295	0.9263828	0.7672712	0.99998033	0.361535	1.000001	73547286 B	0.48964614
Mase-1 KCI-25	91169165	0 93558218	0.7329169	1.170882	0.9753201	0.9730975 0	0.86008674	1.2547197	1.2449318	0.7870954	0.5/44/240	0.1116303	0 7054417	0 8855534
Cytochrome P450 2011	3 AR267096	0.8308906	1.0078002	1.0237824	1.0556486	1.1070286	0.9473655	0.8893088	1.0742857	0.8551483 0.83	0.89103303	0,00001314	0 6570000	ROMOARRA
Phase-1 RCI-202	B0893874	0 7502419	0.91134167	1,0819125	1.3623207	1.1290755	0.8772514	4 0.97298175	1,0668883	0.83956903	1.035896	12001002	4 6667735	1 5776884
Complement factor I (CFI)	0.8826168	0 R91R0064	0 91638017	0.8380908	0.8601744	0.8769133	0.85303366	0.8578324	0.95471525	1.111214	1.1954437	1.1203474	7020200	A 47564
Proliferating cell nuclear anugen gene	1 450157	1.4229136	1,3566269	1.1027302	0.9054137	1.0205317		1.0627655	1.0905476	1,2898004	1.030/328	1.1803033	0.243230	0 7950084
Activating transcription (activated)	1 0515311	77722777	1.0951585	0.9755156	0.9413212	3.89690477	0.8399666	652046	0.95358646	0.95916843	8	0.04204764	59245765	0 6081959
Focal adhesion Kinese (porcor Any	1 1787131	1,118199	1.1143155	1,0520252	1.0775697	1.3428202	듦	0.7466352	0.9324309	0.79/4989 0.7884	3	4 0004053	O BTREATE	0 8966559
Phase-1 KCI-289	0 93523914	0 9396143	1.0192238	0.95148724	0.9999994	0.975015	974916	0165828	0.9966311	0.9490423	1.00/6504	1,0034035	0.00700415	0.75566506
Phase-I RCI-259	0.95496	1.0916806	1.1726447	0.8922884	0.8781023	1.0264262	0.83908653	0.73741746	0.8882994	0.96446615	0.04778637	4 2000000		1 8404838
Iron-responsive germent-ontoling protein	1 9584932	1 8475755	1,7166697	1.433592	1.6433688	0.9890818	1.B143188	1.4693921	1.5359718	12/00/74	1000000	0000000	0 4004642	33197132
WHIC Class I strugged in 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.0401567	0 9532877	0.57068497	1.0202947	0.96048725	1.0642583	1.0828327	0.9117252	0.88022278	076/848/0	0.302333	4040000	0 8214403	0.8050504
Any sunotranserse	1 0067701	1.0229454	1.1399226	0.98235905	0.98691887	1,3081032	0.9627547	0.85387146	1.0691	1.0726944	0.9000243	0.000000	0 6533347	0 7083444
Phase-1 KC1-1/1	D REGISTRA	0 77484666	0.8351148	1.4888687	1.091484	1.1225464	0.86380434	1.6127437	1.2285646	0.609356	0.85/00305	0.0220402	0.4005344	545387RG
Phase-1 KCI-43	1 1011877	1.0679487	1.1068181	0.76750284	1.0506384	1,2008718	0,93203616	0.3813088	0.7195416	0.7543/766	0.8613333	0.0300070	n 92618877	0.9632555
Phase-1 MC1-2/0	7909097	0 7964513	0.86754525	1.1097784	1.0921648	1.1491698	1.1259532	1.0280558	1.0199702	0.7034064	0.0000000	0000	1	0 8802343
Colony-stimulating tactor-1	1 08349	1 1971114	1222341	0.97353524	1.0382345	1.0164647	0.9723419	0.7768626	1.0764749	0.8777807	0.69969636	4 4077567	CHARGE	0 8308384
N-cachem	1 0655106	1 0449775	1 207848	0.9605577	1.0261146	1,3879038	1.0171139	0.87871647	1.1144842	1213/63/	1.0420040	1000001	1409/00	1 0838875
Phase 1 KCI-62	1 1443766	1,1068741	1,078331	0.97428507	0.9652888	0.87987316	1,0705616	0.9732839	0.88066286	1,0391893	1,000312	0.0501555	675/20	74718267
FRISS-1 RCI-22	0.8897899	0.885324	0.96284646	1.0034171	0.9886837	0.96224487	0.8272199	1.0712005	0.96535635	4 004077	0.00757577	1 D468442	1 04 12029	1.0545696
Observed DOTE 48	0.98808515	1,0350194	0.9587807	0.9594232	1,0059595	1.0282006	0.85737296	0.97486615	1.047.3003	4 4587733	4 4476073	1 2102956	1.2046596	1,1821133
Chaca-1 RCT-123	0.9355506	1,0066652	0.97241175	1.0704002	0.9786397	1.0819108	0.96/2251	0.98463003	0.9291013	4 0102556	0 95570153	0.9732775	0,78273726 0,7641	0.76418054
Phasa-1 RCT-68	1.0347182	0.9654826	1.0463791	1.049279	1.0486468	1,0631247	0.97843043	10000	2,000000	20101				
Fourthrative nitrobenzy/thiolnosine-sensitive				,	000000	4 4 4 0003	0 8430784	0 6896941	0.9033943	0.90738803	0.9928556	0.8769003	0.79591864	0.65757996
nucleoside transporter	0.70970863	0.8224417	0.83673275	1.0334295	00,000	_	0.15557797	0.38219953	0.81562644	0.8878044	0,8482524	0.84416145	0.65602237	0.7510886
Guense transporter 2	0.96983814	1.0867126	1.0397397	0.8200567	0.8401108		0.13031231	1 065178	1 1517367	1.0006038	0.9054865	0.8679771	1,3508863	12439774
Multidrug resistant protein-2	0.9323926	0.9695215	0.9275409	1,142530	4 0823344	0.3020040	10152503	1.185898	1,2470603	1.0983752	0.8612736	1.0032369	1.7833735	1,8527462
Multidrug resistant protein-1	1.0006006	1.0427606	4 4200632	4 4844063	1 388811	0 97061706	1.5942869	1,0878312	1.1980125	1,0022185	1,1101457	1.143739	12864758	1,5/56212
Phosphatidylethanolamine-binding protein	1.61/4636	4 240086	C38024-1	0.9492753	0.8371897	0.86694837	12784396	0.9941081	0.8243672	0.9860548	0.99138665	1.0997915	1.1363106	1.1216/53
Phase-1 RCT-180	1.450026	4 079300	0 0860/06	1 1032484	8945	0.98169273	1.6732373	1.1035002	1.1194767	1,2382175	1.5738128	1,3840535	1 2910892	7.201031
Integrin beta-4	4 881077	2 1673092	11171992	1.3811027	1.0706278	0.96238196	1.7637135	12939067	1.1953385	1.5235765	1.5276588	20346131	3.160644	2001008
NADPH cytochrome P450 organicase	1.146617	1.1129909	0.9741122	1.0505378	0.96362996	0.9486299	1.1467978	1.1791826	1.0326209	0.95326567	1.1031883	1.0703433	0.8859043	0.88752353
Fordonescus metroviral sequence, 5' and 3' LTR	0.5836078	0.9894511	0.7473852	0.9541477	1.0924624	1.20441	0.8735808	0.84224844	4 042383	1 0222083	0.834979	0.9800079	0.9951027	1.1046138
Phase-1 RCT-53	0.9485134	1,030135	0.930918	0.87881863	1.0269926	1,0080383	0.9923461	1 0810043	1 0172296	1.0907646	0.894419	0.9317969	0.7109382	0.6962496
Phase-1 RCT-54	0.972852	0.940000	0.995202	0.96990363	1,0003030	0 89800096	1 1888132	1.1014447	1.082663	1.3978926	0.9364647	1.3052135	1.1226941	1.2828593
Phase-1 RCT-240	1.03825	1.109907	1,0062832	0.9101301	0.0007455	1 1098467	0.8283686	0.8068405	0.8145611	0.6898616	0.7344103	0.7502541	0.60324436	0.60190296
Osteoportlin	0.885849	0.804527	0.0492144	1 4527478	1 1967701	1 2207556	1.1572561	1.0942421	1.2151418	1.1295536	0.8163003	0.9278621	2.5062397	2,8314931
Organic anion transporting polypeptide 1	NO SCOTO	0.000000	4 0770070	00672001	4 03942R4	0 94668186	1.0139408	1.6771435	1.3924594	1.0824273	1.1013346	1.1388/54	0.9035107	0.88891014
Phase-1 RCT-241	1/1/SULT	0.253040	1 01997	0.9889328	0.95719147	0.9207417	0.88964885	1.1037371	1.0001676	1.0065248	1.024254	0.9852292	0.9206/41	0.92627333
Tissue factor pathway inhibitor D27kfo1 (alternate	000000	2									_	A 8386768	1 4239761	1 6773968
Cyclin-dependent tarase 4 unitation (21 hp) (discussed	1.070489	1.032681	1.0546163	1.1800866	1.2507625	1,0474834	1,0577157	1.3670417	1.2136555	1.010213/	1 5872643		1,1603198	1.1332335
Obserbolinase	1.062610	9 0.874899:	3 0.91804165	1.4652554	0.92428435	0.9983525	1,0264115	1,215/693	1.1912062	4 074446	4 0275735	1 1005828	1,0804673	1.0520194
Phase-1 RCT-39	0,941660	2 0.8935461	5 0.914222	0.9786232	1.0345397	1.0196584	0.9251142	1 4454395	1 00305	0 98202384	0.99392486	0.9996339	0.9036882	0.86316806
Phase-1 RCT-258	1.072720	1.046538	1.06999	0.92074704	4.0674006	4 4247745	1 1041077	1 8190116	1.668952	1.2746805	1.0075691	1.3550961	1.2464979	1.3016306
Phase-1 RCT-113	1.011768	1.07715	0.996309	0.0000000	0.0558193	0 07570837	1 1232787	0.7856991	0,8653363	0.7691316	0.89868504	0.831433	0.69183654	0.624653
Adenine rucleotide transfocator 1	0.951328/	71001/94	0.979300	1.029321	1 2873895	1.3942851	0.9569395	26704419	1,0949334	0.8634895	0.74319977	0.736669	0.4435254	2010060
Alpha-1 acid glycoprotein	0.723013	4 30330	7030597	0.8145193	0 71835595	0,78117585	9700016	0.8237995	0.50221145	1.525008	1.1949205	12331725	1,5/8255	2,016009
MHC class If entigen RT1.8-1 beta-chain	0.142303	SOUNC:	21 U.1 U.3	W. U. T.										

WO 03/095624	wo	03	095624	
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							1				0.000000	0 77784701 0 71241117 0,74220127	71241117	7 2 2 2 2	
		0000000	4 0437734	0.9157868	0.8959623 0.94027996	94027996	- 1		0.738195/ 0.77647433	05/40/		1 08520E4	1 639032	1.3768575	
Amanic cation transporter 3	1.0305/44	0.00000	20000	1 84435884	A OCTO 44 1 A 4435894 N 9029668 0.88596934	88596934	0.9123274	0.7585813		3/18014	Ł.,	* 0218472	1 0046371	1.0728383	
oha	0.97115225 1.0761705	1.0761703	1 00000	0.0036503	1 090913 1 0237621	1.0237621	1.1834433	1.0835702 1.0969366	1,0969366	1.1201634	0.300603	0 0745861	0.7814511 0.78068286	0.78068286	
Diego (DCT 43	1.1670768 1.0780913	1.0/80913	OSCENOTI	200	0 0000342	0 0000347 0 08181313 0 98779786		1.1390511		0.9875647 0.92405948 0.0450010 0.5960355 0.90510795	0.876.0	0.070704	3020000	0.80540795	_
T LOOP TO	1,0341383	1.0341383 1.0043303	10/13062	1.0/19662 0.001/4623	200,100	4.0442637	二	0.87573236		0.7587715	0.8446220	0.033327	201010	0 6774 050	
Prase-1 RCI-45	1 2164649	1 2164649 0.89807796	0.9965114	0.950399	1,034,033	1000	200000	4 250A01		1.4049947 1.3315424 0.90617967 0.70452/14 0.0/21939	1.3315424	0.90617967	0.70452714	0.0721333	_
Malate dehydrogenase, Cytosolic	CUYUCCY	0 4730470 0 07630733	0.8593799	1.1310327	1.1750166	1.1750166 1.6235977 0.5215333				0.6913587	0.8409412	0.7076406 0.4937252	0.4937252	0.7788181	_
VL30 element	******	4 243124R		0.9881927	1.2048218	1.2048218 1.1886743 1.2448912	1.2440912	0.00001	U.G.000011 1.0020000	O GERATESE	0.9102943 0.9434092	0,9434092	0.9701166 1.0124933	1,0124933	_
Phase-1 RCT-189	1.100011	0.0054204		0.8377713	0.9787102	0.9787102 0.8889919 0.92811056	0.92811066	00000	0.00	0.681766	0 681786 0 7745609 0 59833694 0.60731995 0.64645755	0.59833694	0.60731995	0.64645755	
Alpha-fetoprotein	000000	0 8779746	0 9779746 0 9033087	1.0031458	1.1137684	1.1137684 1.1711782 0.8401302/	0.840130Z/	0.80044024	0024700	0.7637537	0 81024	0 81024 0.80782145	1,0362389 1,0013584	1,0013584	
Calgranulin B	0.7002400		A 086337	1 004016	0.9890334	0.9890334 0.95923924 0.8931444	0.8931444	0.9730351	0.857 1783	0.837 1733 0.1001 0.0041030 0.00526897	0 0411082	0 90526897	0.7771954 0.96061796	0.96061796	_
Tissue plasminogen activator	0.95201944 1.0612053 0.93147207	1.0012000	0 03443207	0 9449891	1.044144	1,00073	1.00073 1.0703577 0.94108665	0.941086651	0.54 40 40 A	0.3041000	0.804 1800 0.8740732 0.76069735 0.49314608	0.49314608	0.7382631	0.5482707	_
Phase-1 RCT-195	0.94120270	0,00011304	0.00011301 4 0048400	0.8743523	1.0053974	0.66232795	1.0053974 0.66232795 0.8158932 0.77145624	0.77145624	0.9084340	2000000	0.50 451 50 6759647 0 F779744	0 67793244	0.6557207	0.7510815	
Liver Eathy acid binding protein	0.47514135	0.7137024	4 47770		Ł	1.1615738	1,1615738 1,1097196 0,92761695	0.92761695	1.0103039	0.730000	0.0 300001 0.01 0.01 0.01 1 0.01 1	4 9477444	1 2018703	1 2370872	
Aloha-1 microglobulin/billamin precursor (Ambp)	0.9938267	0.9902204	0 05374544		0.91364306		0.8417642 0.9646902 0.93114746	0.93114746	0.8563349	1.1/02/02	1.1/02/02 1.200341	0.91298765	0.91409355	ŧ	
Phace-1 RCT-294	1.009647	1.0063020	1,000,000		0 9968431		0.8804807 1.0243393 1.0851203 0.93954927	1.0851203		15055760	1958367 1 COCCUPATION 1 4082813	4 A283643	1 1802647	1.1973222	٠
Dhace-1 RCT-451	1.0931416	1.032015	1		0 0000007 0 05377534 0 86729475 1.0168681 1.3915792	0.86729475	1.0168681	1.3915792		204/303	1.34 600	4 0465803 0 95435214	0 95435214	1_	-
Dhoea 4 BCT-158	0.9977203	1.0269024	_		0.074.090.1 1.1093571	1.1038841	1.1093571	1.0788866		- 1	1.015261 1.5456703		4 4952453 0 88438374 0 96558356	0 96558356	1/2
Dhora 1 DOT 224	1.0449207	٠,	_1		1 AVAROR1	4 10R2361	4 10R7361 1,1431226	1,0166095	1.0657519	- 1	1.1701856 0.9533084	1,130340	4 9549690	1 4717504	1
Place (PCT_935	1.0160434	1.0061563	0.905833				1 2931324 0.98902977	0.8868913	1,0091776	0.9226837	0.9226837 0.82013506 1.4101555	1.4101333			1-
Complement transporter 3	0.95224386	0.9280197	0.9280197 0.91900985		4 0377477		0 93226147 0.7519623	1.0037076	1.0037076 0.99831504 0.9920586	0.9920586	- 1	0.748089/ 1.008//32	0.40341858	0.42599732	i A
Maintenance of the second of t	0.7543654	0.74912506	0.74912506 0.74693557	١٩	0 9044515	0.9792126	0.7398791	0.8249716	0,7398791 0.8249716 0.93796283 0.45871967	0.45871967	- 1	4 4200707	4 0467435	0.9820968	ď
Lieun, emilein 2 mentrant	0.5702739	0.6275845	0.6152526	0.6275845 0.81523520 0.91545755			0.8627747	1,0068879	1.0068879 1.0500882	1.0894178	3555	1		١	1
Phase-1 RCT-2/2	0.8336432	0.8106836	0.8402120	0.3000			1								_
															_
(1) Gene expression data for 6 hour timepoint are															-
presented as mean ratio of treatment/control for all 6			_											L	_
hour predictive genes (Table 18).															$\overline{}$
(2) Compound and dose abbreviations as ut take to															Т
the state of the s															
(3) Individual stilling titalical													_		_
(4) Liver milammation dessincation of composition of 172 has been permits observed: Ves-															
hoth permets with Inflammation observed, no. no															Т
Histographology observed															
(5) Predictive gene (as in Table 18 and as included in	_														ı
Table 26)															

(Table 28. Expression Data for 6 Hour Timepoint (1)									П	П	П	П	T	OCK 250
Т	7 0000	ANOB 6	AMPR 5	AMPB 5	AMPB 20		AMPB 20	_			AZA 200	AZA 200	1833	2021
Compound-Dose (2)		441	3	<u>\$</u>	451	452	453	1821	1822	1823			+=	9
	3		2	_	•	00	2	9	2	2	2	2		
Liver Toxicity Inflammation Classification (4)	res-tied		2					030301	4 4774545	A OCCUPATED	4 1866317	4 025772	12,340709	1.2612039
Gene Name (5)	25.693027	1.142369	1,1695325	0.8681027	1.9248669	0.99709	12503277	1.8420309	1 8454348	16153513	2,2703047	12577282	3.630317	0.76844287
Insulmarke grown races on the grown	16.526773	1.2815554	2.22445	12827231	1.6263807	1.1231/19	4 0470882	1 1329833	2.0205326	1,6513811	2,5686285	1,8141532	2.9426813	0.8732964
Calulas	13,280829	0.9695715	1.002009	12973942	1.0342032	0.5080728	0.9487355	1.3648316	1.5692705	2,1763103	1.8816975	1.2518861	2.5278463	1.1369338
Xdiv	7,068734	0.8721312	0.7416424	4 4474732	O GROCETT	1 9307734	0,94177028	1.8508434	1.4150711	1,5586997	2.1377058	1,3595593	2,4141934	4 0135045
Cathepsin L. sequence 2	3.2431889	1.6617501	1.65/4.565 4 pro4584	1 34 90751	1 2124782	35.5	1.0430529	1,3504897	3,287646	1,7216042	3.0181562	1,8490497	4 370H 35B	1 127207
Heme oxygenase	23.974522	1.3130662	1.6031361	0.80846167	1.028897	0.7603701	1.0727433	1.3078041	1.1161093	1.1229287	1.261/439	0.74008715	1777566	0.86717093
Phase-1 RCT-109	1.3460261	1,024201	0 6069942	0 58731997	0.6378621	0.4010562	0.7872904	1,0989925	1.0237622	1.0514556	00000001	4 500/034	2 4476368	1 0819371
Phase-1 RCT-111	1,0040003	0.00000	0 80044144	0.60358864	0.90741587	1.198802	1.1194417	3.245213	2.8587906	3,5683634	2.4140012	1 1768041	1 1215229	1,2608365
Argininosuccinate lyase	70074070	4 4307057	2 0188913	1216729	1.2759137	1.4216189	1.3187823	1.4060609	1,4392378	1.2746901	0.3327.30	0 7222285	1 1088268	0.9015223
DNA polymerase beta	0.0174304	0 8738756	0.67056038	0.654667	0.6161969	0.4926781	0.84885746	1.118774	1.0494144	1.0997434	1.0304002	4 massng2	1 001074	1,0235658
Phase-1 RCT-103	0.96510505	2 0220187	3 4131818	2,2605135	1,5087657	1.8652723	1.7884772	12847769	1.0531095	1,033/421	1,115500	4 2839592	1 0413443	0.8623735
Ribosomal protein S9	1 1825589	0.9622203	1,1909779	0,943239	1.2474887	0.9278592	0.966586	18680860	1.0754333	2 2004246	2 08598	1 8094372	3,7290175	1.0159757
Phase-1 RCT-114	2.3381824	1,5342574	1.4600675	1.0381784	1 2275982	1.166384	0.78353965	1.595185	1.3430210	1 4569376	22329133	2,3857834	1.9290533	1.0716646
Phase-1 RC (-15	2937391	1,3236535	1.9178009	1,3106743	1,599325	1.0535438	1.1020041	200	2			L		
NACOPING MISTING POSITION POSITION IN THE INC. INC. INC. INC. INC. INC. INC. INC.			L.,		1 1200344	0.81174433	1.042277	1.9652187	1.914832	2,2651303	3,7566817	3.0069327	8.855394	1,068386
aratein (PC3)	4.9241757	0.8824803	0.9914199	4 2632476	0 974412	-	0	2,5641785	2.285652	2,4810994	1,9559753	2,7819693	2,0300437	0.00626875
Phase-1 RCT-191	1.5642644	1.1690867	10740701	4 5557467	13824797	1 2599431	1,054762	0.90794635	1.0156098	1.0368135	0.8610362	1.305428	44490445	0 80805844
Phase-1 RCT-63	1.5908298	13504006	9 4797970	2 247051	13581053	1,3206819	1.1082252	1.1535355	1.1149114	1.0494864	1.192/036	1,0024030	0 0251067	0.96116745
Cyclin D3	0.5/10550	5.0943000	0.8130364	0.8038865	0.6483832	0.60950845	0.87385374	0.803494	0.95574033	1.0117502	0.8940247		0.992018	0.89190763
Phase-1 RCT-108	2007	4 57773	1 8430947	1 8905152	1.5634309	2,2707508	2.4113894	0.7992167	0.80864435	0.79297423	0.300724	4 4 CB CB CB	1 3823518	1.0299919
Phase-1 RCT-66	4 0228301	1 4817908	1 5890312	1.0923437	1.0575783	1.2788395	0.94919884	1.564602	1.179976	1.2361843	4510003	1 5872147	2.0907946	0.9638478
Phase-1 RCT-192	0 85219495	0 94853616	0.81194097	0.7282997	0.8759757	0.7811266	0.8644222		1.901832	4 078320	0 8387573	1.0194608	1,0003153	0.93028265
Phase-1 RCT-76	0.89629155	0.8252424	0.707623	0.69057804	0.91328967	0.7484036	0.9811739	1 0535027	0.996342	1.092894	1253196	0.7705674	1,3706436	0.94290376
ACEIN-LOR CAIDUANASS	1,1157675	0.9463689	0.77912086	0.801652	0.6432302	251325	1 000601	1 037455	0.89790636	1.0113864	0.7673810	3 0.8042572	0.92046034	12998536
Octatin	0.9585657	1.1057653	1,327829	1.019889	0 07403047	0.9526922	1 0402219	1.023024	1.204991	1,4289426	1214733	1.1635863	1,431827	1,0397.378
Prase-1 RCT-49	2,356271	0.9808/1	0.973134	0.744779	0.87176037	1,6930707	0.6655302	1.071988	1 2669728	1.1964747	0.882273	1.0420732	1 501/07/	0 9032624
Phase-1 RCT-9	723 909097	4 620832	1 938137	1.759679.	1.3863266	0.91900617	1.1223677	0.9838989	9 0.8941424	1.145035	1 10231015	0 77485044	1 3400938	0.9483949
Gadd45	0.0846733	0 9576177	0.785920	7 0.76307	3 0.66388	3 0.6301033	0.8676693	1.079386	1,052/36	1.100/3/	1 24501	1 3225822	1,5352149	1,0696995
Phase-1 RCT-156	0 87312806	1.301639	1,535686	1 0.91027	1.329720	1.4565415	1,001691	1.450047	1.4/83/3	ACANO + 12	7 2 86 1694	3 1.429776	25194345	0.9285578
Coffin	5,61809	1,099147	1 1258863	3 1.140096	9 0.9542866	3 0.96138815	1.0906937	1,592,660	0 00404315	5 0 9724536	1.244312	8 0.9552614	1.153597	0.9454289
Preso-1 RCI-12/	1,6690646	1,01400	1.551517	1,659388	3.416830	3 0.9196251	4.103505	1.002//2	1 669623		3.339517	1.731424	4.9114466	1.0815872
Mad optiage untaining of the control	7,303323	7 0.B39099	1 0.890243	2 0.76756Q	3 0.848415	0.9692267	0.9303040	4011530	9 0 964395	9 0.958479	9 0.923130	1.148820	0.8450612	1,016989
Phace-1 RCT-73	0.614834	3 0.958498	8 0.904467	4 0.906698	2 0.825/82	1,1009/100	1 304119	3 1.768278	7 0.992063	Ξ.	4 1.231418	4 1261412	3 2.1154976	10253003
Glutamine synthetase	0.3012313	1.806012	1,8/5901	7 4 958113	4 215139	1,134103	1,136102	7 0.685366	3 0.9367260	3 1.025645	7 0.8250562	5 0.93456/5	44 4000045	0.00017
C4b-binding protein	0.4467945	1.790111	8 1 072193	1 202781	1.166664	8 0.9138585	1,066566	7 1,50615	2 1.499501	5 1.823496	4.9760	3 2.bu126		1,0228636
Phase-1 RCT-242	8 07820	7 0 862152	6 0.916646	1.00452	1.054037	2 0.8391864	•	5 1.345272	2.393290	2./41/42	3 1060470	0 99779C	12657409	1.1420176
Phase-1 RCI-50	0.622271	8 2.146507	3 2.284031	6 121996	5 1.097610	2 1.477164	0.9986949	1.004/34	1019164	7 0 913421	3 1.453475	91079	3 2275143	1.027478
Floridation ractor-1 diplied	14.05552	6 0.847058	9 0.7886361	5 0.9811975	1,481142	3 0.80703	2570015	1 284200	7 1 47377	6 1,553256	20792	1.361469	7 3.588591	0.8432575
leading the great factor binding protein 5	2,938227	7 1254174	1.162732	1.35639	1.046044	4 0424206	_	1 828629	1.181654	1 1281722	1.467286	5 1.490657	5 2.95270	1.0825353
Phase-1 RCT-59	3,320715	2 0.9563983	7 0.99863	1.0126835	7 0 5745974	3 0 507473	3 0.866885	4 0.855760	9 0.89486444	4 0.8881597	5 0.901189	6 0.7870416	0.9105007	4 2500324
Phase-1 RCT-76	1,001063	6 0.83/448	1 0.00000	4 45056		1.8420279	2	5 0.869990	3 0.725927	3 0.6381798	M 0.4832858	8 0.57228	0.6/423403	4 0077127
Fertlin H-chain	1.82008	1,91583	1 10428	3 0 6035933	5 0.782382	3 1,700451	7 0.717398	8 0.8004827	5 0.79224	6 0.783466	3 0.67795	0.568513	5 0 70718986	0.91343546
Selenoprotein P	4 405036	A 0 833837	7 0 79701	1,027177	7 0.898805	6 0.7907968		5 0.900656	0.88126	0.872/40	4 06068	CS 0 893287	7 0.7770945	+-
PTENMMAC	0.5038678	6 0 82987	74 0.82450	35 0.753070	12 0.5947226	0.9736000	6 0.92695546	_	1.00400	0.33000	1 07608	1 0 854981	1,100149	1,0571296
Phase-1 RCT-214	1557197	7 0.6961146	38 0.75169	24 0.790778	36 0.965176	9 0.7211458	7 1023323	0.78489	11 0 03/1244	150550	20060	0.806353	1.071578	0.81628585
Phase-1 RCI-112	1.477881	3 0.993332	5 0.934203	36 1.10484	12 1.013651	0.925245	0.968235	5 4 65008	4.7254	M 0.554900E	3.5723	2 0.615374	4 4.221891	0.98836243
Phase-1 RCT-13	0.950374	1.76215	51 0.77377	38 1.40488	0.82393	1 17556	103412	19 0.92158	28 0.88324	1 1 020652	98 0.6944890	0.8681497	6 0.7742368	0.553016
Nucleosome assembly protein	0.73189	0.875369	73 0.86163	0.933090	OB 0 9445672	26 0.9291051	6 0.934131	18 0.86953	33 0.798087	56 0.6898947	76 0.97287	1212054	0.4654656	0 01208136
Cholesterd 7-alpha-hydroxylase (P450 VII)	0.5297081	1.035/3	16 1 11127	02 0.928378	16 1.199017	75 0.894772	1.148718	31 2.1624	09 0.849377	53 0.92851	51 22262	38 1.05136 37 0 982560	1.087554	0.95853007
Vesicular monoantine transporter (VMAT)	1 50304	0.80582	98 0.91233	56 0.967395	54 0.996345	94 0.7918255	3 1.124620	0.82381	41 0.83838B	75 0.953010	14 U.SCCOUR	מיים		
Phase-1 RCT-260	1,000,000	2												

Ohora 1 BCT. 27	0 92391473	0 93089635	0 9770282	0.85954851	94740075	0.9943736	1.0028572	1.08674851	1.098124	1,11632991	1.0269225	1.0761375	12074234	14123521
Perodsome assembly factor 1	1.3260894	1.1100702	1.2464089	1.322167	90090334	1.0353998	1.0478987	1.5514206	1.1259998	12721913	1.1060634	1 1059566	1.1065124	0.882996
8-axaguanine DNA glycosylase	0.82956405	1.0531216	1.0174766	1.2601582	0.9219414	.90656585	1.0679612	0.9989176	1.097319	1.0081261	0.9629749	1.0342474	0.9680742	0.8997161
Phase-1 RCT-82	1.249107	0.83597857	0.856136	3658326	.93895346	0.8374729	0.9958392	1.0018519 0.9	.96005046	0.967578	0.8653934	1.0532188	33061525	1,0182207
Matrin F/G	0.7882466	0.5112933	0.3546605	0.422474	.65330756	0.5319337	0.844102	0.9783888	.93827313	1,1847368	83877856	1.0881684	0.54598975	0.9419348
Phase-1 RCT-164	0.6980284	1.0928684	1.0887868	1.071934	.81340605	1.1078224	0.7491912	1.3671069	1.3428528	1.5880066	1.4274393	1,330774	1.5037712	1,0231233
Phase-1 RCT-168	0.4552002	1.137693	0.9326424	0.8516197	0.8681978	1.2486448	0.8638769	0.7994278	1.1739362	1.118883	1.1318314	1.328074	0.6458857	1.0290341
Phase-1 RCT-119	2.119268	0.61837304	0.6522032	0.68553096	0.7172119	.65870863	0.8814782	0.8668115	1.0765578	1.4023863	0.7980328 (0.87852764	3.63493925	12747958
Carbonic anthydrase II	955500060	0.9408738	1.0116212	1.1483839	0.7236764 (38296605	0.9773031 0	.51691186	0.5741208 0	88318475	0.478837	0.4764529	0.3904974	1.0573257
Tryptophan hydroxylase	0.6003673	0.9051482	0.8991296	0.77932096	.83794236	0.8766744	1.0684847	1.0110428	1.0389007	37928186 0	.68347215	0.90154743	0.62199575	0.9752254
Phase-1 RCT-71	4.228915	0.8593702	0.8316996	0.8483239	0.9863653	3.80593747	97835506	1.424407	1.510902	2,0123925	1.332907	1,4250013	1,8319,256	NI SELECT
Phase-1 RCT-179	3965605.1	1,7008828	2.481638	1.4084326	1.6958723	87834	2.1671374	1.9186268	1.6550967	1.8030298	1.8449848	1.1742322	1.8441302	1.2266437
Phase-1 RCT-161	1.4579211	0.85848475	0.82677937	0.9350957	77294075 (0.86138827	0.8489124 0	.47720626	0.6436308	0.93382037	57313987	0.6634454	0.4707212	1.07/3816
Phase-1 RCT-207	9.332855	0.87953466	0.96169025	0.90559846	0.9966825	0.84653157	0.967033	1.7038776	1.2298633	1.4988973	1.4156235	1.170791	2.1685083	1.0301977
Phase-1 RCT-144	1.9194092	1,3629977	1.6870812	1.57457	1.158573	1.0156773	1.2654474	2.6620753	2.5976505	2.789812	2.1138384	1,9525727	2.8650112	1.0017062
Phase-1 RCT-225	1.284452	0.62329598	0.7486572	3.67035395	1.197863	0.5803517	1.207283	2.154617	2.5591798	1.3646406	3.0834296	1,380,2259	3.9944038	.91334826
Cytochrome P450 2E1	1,3281869	1.2500467	1,2928176	1.2680922	0.7565138	1.1402076	0.9826303	0.9256686	0.8217483	0.8089083	0.7393287	0.77887945	3.49442002	1.0716684
5	2.0600765	0.99504183	0.80294657	1.0505867	38582556	1.0225111	0.8994235	1.6640673	2.0393023	1.7899401	1,3756752	12945112	1.0365846	187537557
Thioredoxin-1 (Trx1)	1.0021559	1.0304661	1.2193178	3.85202676	1.1992112	3.78047615	1.1848342	1.4049199	1.1586246	1.0985584	1.1384573	0.9200273	1.2581404	1.0934443
Carbonic anhydrase III	0.34521845	0.6573786	0.62407	0.45700702	0.2938376	1.1426109	0.7471356 0	22752637	38867468	0.8382018	24393547	0.26782757	0.22688332	1,553966
Phase-1 RCT-140	1.2854499	0.8891804	0.92270887	0.841505	0.9450368	0.8820777	0.8238669	0.8464324	0.9220971	0.9741981	0.9938477	0.86527914	1.0652668	0.839091
Complement component C3	0.26086947	2.3615663	2.3569727	1.3407848	1.0038602	1.0931083	1.5822362	0.7165795	0.768949	0.7399379	0.9734688	0,6656052	1.0230079	0.93567026
Gucokinase	0.5939342	0.96054274	0.95082676	1.2693534	0.7507696	1.0961038	0.9420203	12714854	1.3804253	1.5879945	12336694	8	13331839	91556504
Phase-1 RCT-173	1.1119214	0.8128848	0.8440108	0.9398412	0.8757276	3.82956564	0.8873627 0	76212245	73376244	0.7417007	0.86507773	73 0.62752545	0.71132034	3,96161636
3-methyladentine DNA glycosylase	1.1915566	1.0075295	0.9790894	1.254566	1.0040635	1.0162656 (.94080514	0.9360058	3,91899065	1.0272398	1.0128808	1,0733867	0.9199286	3,8346,3186
Perodsomal multifunctional enzyme type II	0.58219266	1.4486805	1.4581461	1,1011746	1,0035414	1.4129606 (.89955986	1.7165074	1.4914567	1.1491429 (39828935	1.2787249	12739726	1.1217132
Phase-1 RCT-40	0.38357046	0.9208795	0.95537245	0.62950134	3.84176517	0.8418249 (78605825	0.9231428	0.8862413 (3.93947774	0.7965719	0.83918595	0.84908646	1.1095096
Senescence marker protein-30	0.20655118	1.3096267	1.5239292	0.8273349	0.86917895	1.223318	1.1914744 0	.66897676	0.6076436	3,44403762 (31511304	0.5811751	0.56568474	0.8990287
Cyclin G	3,6087186	1.5188445	2.003793	1,3158327	1.8473654	1,0757948	1.2298648	2,7765043	1.8117791	1.9583093	1,618783	1.471769	3.109558	0.9288543
Melanoma-associated antigen ME491	0.9264899	0.9772607	1.085368	1.1645416	0.9030044	1.1117862	0.9629512	12925025	0.97257626	1,3121358	0.9265357	1.04342	1.0614648	97124714
Phase-1 RCT-28	1.2461499	0.9326048	0.96209687	1.0794252	0.62909557	0.96049833	1.0429353 (90101254	0.9567725	1.0567978	1,0463473	1.0541203	0.92801434	1.0060025
Emertin	0.84493843	0.8274536	0.7654446	0.7690964	0.84003784	0.7695857	0.8571429	1.1213628	12493126	1.3261694	1.1256912	1.0940326	1275/198	0.9623592
Alcohol dehydrogenase 1	0.27899522	0.90026444	0.54156494	0.45199665	0.5657853	1.0830346	0.8770221	0.5854148	0.4792234	0.5509804	0.3990106	0.58704257	0.9969736	78147507
Stem cell factor	0.35512957	1.0001287	1.1375046	0.92365324	10290661	1,0564723	1.14285/1	0.9192463	1,02/6536	0.8536892	0.74617	01060/01	0.007/2004	1.152533
JNK1 stress activated protein kinase	0.54435843	1,3271211	1.1620834	1.1120853	1.0734831	1.3450413	1.1976913	0.9256683	35/204063	000/000	7.71632833	0.9704361	0,0030707	1,000,000
Protein tyrosine phosphatase alpha	1.5261219	0.96790123	1.0263965	1.0561634	1.196/123	1.131/316	1.2407.082	0.902/88/	0.3242430	00000000	0.2000230	0.3034030	0.3640	0019041
Phase-1 RCT-55	0.74912405	0.79590917	0.8638118	1.027643	3.91201465	1.1201832	392/3045	10071	0.040477	0.0004	1000001	4 404 406	4 76 40000	4 424EM34
Ubiquilin conjugating enzyme (RAD 6 hamologue)	1.0204965	1.682641	2.6777277	1.7114688	1.3161446	1,3863181	1.0068028	1.1597718	809/00.1	1.16/1858	12/013/4	1.104420	1,421000	0.005200
DNA topoisomerase I	0.30756938	23251815	2.4061612	1.3633347	1.0614394	1.1222200	1020000	1.0100203	74444078	74340500	1.230210	0 02240007	70531854	1 0745804
Phase-1 RCT-280	0.9659602/	1.046131	1.1514975	0.74340280	70011033	1.0749002	0.0013070	4 250 4540	4 00000000	2000000	1 8377/785	O ZEEGRET	4 4502824	1 005652
Superaxide dismutase Mn	1.2033/13	2,8433303	0.0014674	2,000473	4 200000	4 4700000	3, 32,000	01090676	3 0734763	1 1505773	2 8005182	2 2041762	4 (1917)	1 0620667
Bela-tubulin, class I	2.001343	1.000/042	1.1//3513	0.300430	0 6052000	0.1400000	0 8/87444	3,0030/03	4 4236485	4 6670063	Z1626747	0 6483326	0 7560274	1 3020518
Carpany prospirate synuetase i	0171710	4 0783653	0 70538354	1 2779774	0 9206715	PSRE1905	1 0605323	1 1384241	11563531	1 0469797	0.964165	1.0698678	1.0295401	0.7777434
Physical RCT, 141	3 1735585	2.7848215	4.804972	1.9742996	1.7929631	0.9200452	2,005483	0,9237409	1.2570263	1.4733382	2,5663831	1,5281273	4.363295	0.971204
14-3-3 zeta	1.937108	1.0919333	1.1656483	1.1036241	1.123189	1.0312692	38851633	1.3276582	1.5320332	1,8057389	12555195	1,2691565	1,4776924	90432316
Gamma-actin, cytoplasmic	0.46089923	0.92346996	0.8109144	0.855888	0.6080445	1.385669	0.5972671	3.3877416	1,7194846	1,5387408	1.3312012	2.1944532	1.4744804	10759144
Ribosomal protein L13A	1.4947733	1.1706169	1.1926796	0.83307153	1.1161869	0,71755415	1.307635	1.5213656	1.1916505	1.1180195	0.9025008	1.01/5058	1.05/2814	1,0361423
IkB-a	0.72369874	2,3004007	2.2728453	1.6618462	1.4184108	1.5830529	1.2481897	1.314826	131861/3	1.13655/4	1.0027508	1.1/30037	4 7555400	1.1400280
Phase-1 RCT-65	3.0537066	0.7746588	0.7258351	0.8514756	1.0328242	0.83600885	0.9434525	1.8876643	2.0520449	2,195232	1.4784111	1.6/4223/	1.035003	0.342320
c-jun	19.5575	0.9031206	0.909069	1.1666586	1.3716072	0.7587181	0.9435/75	1.9331286	1.8582504	1,8594667	4 5500547	1,3/24000	4 7040705	0.7284658
Protein O-mannosytiransterase 1 (Portit)	3.05114	0.5646535	0.64345/83	4 5540502	1.2544/26	4 4 4 5 7 7 8 4	001660000	1.7004039	2 144450	4 60R2077	2 1205087	1 60383	2 0639763	BR308718
HMG CoA reductase	1.1840314	0 08601517	0.9617191	0 0907954	1.1194167	0.89885	85017425	1 2518442	13499261	1 6257695	1.3895155	1,1594118	1.6884365	0.8533044
Interferon related developmental regulator IEDN	200													
(PC4)	9.338897	1.0884724	1.2428341	0.9731662	1.1907465	0.8377063	1.276896	1,3465952	1,2087835	1.1382556	1.3226851	1.1391714	1,674888	1,2101073
Glucose-regulated protein 78	1.8555754	2.2570465	3.7028468	1.6767969	2,326779	1.0153683	2.22306	2,39341	2,169545	2.871626	3.1903303	1.1541747	3,433728	0.9406298
3-beta-hydroxysteroid dehydrogenase (HSD3B1)	0.8355773	1.2955503	1.2154696	0.78528714	1.176074	0.9469906	0.6587974	0.9125461	0.9045486	1.0175962	1.004205	0.9554967	0.9176639	1.176781
Caspase 6	1.8847111	0.9848758	1.0501101	1.0324492	1,184548	0.85323715	1.0167674	1.483948	1.3/98392	1.1501068	1.08025/8	1,0330034	1.3100341	1. 1200200 1. 1200200
Phase-1 RCI-169	3 551137	0.003V42	1 0369061	4 0244911	11739801	0.8228021	1.0974834	1 5884809	1,079577	1.0240341	1.1786755	10349623	1,397863	1.057768
Present RC1-18/	2.00113r	0.8328673	0 69767445	0 94673818	1 0304617	0 8415674	10388529	1 8435344	2 4693944	1 7597972	1 2272075	1.1408853	1.0080904	1,0986434
רטייטין ואטויאין	1	V.t consult e	7.5.2.1.2.1.2.1.2.1.2.1.2.1.2.1.2.1.2.1.2	10.000	***************************************									

					4 4504025	130036300	0244646	4 0101278	1 1676978	1 3555491	1,6707041	0.9350559	1.4908531	95053005
Phase-1 RCT-72	1.12/0534	3,81064034	144/6200	1,0220413	1 0804341	09301267	9387756	0.9379457	0.9811322	1.0238789	1.1094852	0.7790501	1,0928495	1.0584176
Pyruvate kinase, muscle	A 4855780	0.80280004	0.5623979	45029058	0.6298441	0.81769294 0	94062746 0	.59446394	3.58370095	0.6739273	0.4448283	0.48564804	0.41542974	1327111/
Phase-1 RCT-288	4 6270708	0.00.00	0.8043223	1 0785301	1.1808223	.81903607	1.0872588	0.8872806	0.9738081	1.0757025	1.10254	0.9726496	1.0355412	0.9054029
Phase-1 RCT-90	03505736	8 ESCASA 4	1 7084773 (57481205	1.3690077	1.6754056	1.2801194	1.0184459	0.7863095	0.5629036	0.5641043	0.90080893	0.6816198	90,2543/4
Cytochrome P450 2C39 (alternate cione 4)	20087387	0.4081156	33691332	0.3760965	0.6994591	0.40185195	0.9644111	0.9091921	1.1865072	1.3540411	1.4188907	1.058513	1.0196551	0.8052/445
Prase-1 RC 1-250	1 1238766	1 1917425	1345035	1.0762855	1.1667501	0.9787128 0	0.92983943	0.8639026	1.0053421	1.1888006	12101206	1,0019212	o lu	4 0624440
Mothydona Cod mosmoce alpha	0.31182665	1.1689228	1.2820095	0.6140544	1.0096537	1.2207298	1,2104062 0	.69639766	546471	0.6918465	0.7002303		OCICOGO CECOS	O PODENTAGE
meninger and lacer and lac	0 7784152	0.8958068	0.9813467	1.1748666	1.1443735	0.8518445	1,0334928	1.1319736	0.8356099	0.91209873	0.032303	02020	19	A BASE4 27
Disco 1 Per 207	1,5759977	0.87072814	0.92959243	0.97940654	3.94089794	0.8906208	1,0392,302	1.0399086	1.1935686	1.1619775	1.9231491	1,2002/8	0 88746574	1 1188223
Monoamine oxidase B	0.41476166	1.2634485	1.0575708	0.86540735	0.8805301	1.2648367	1.359114 0	71367145	0.84936094	0.7833807	0.04.0000	0.6684578	0.66592014	1.3094944
Phase-1 RCT-264	0.44563153	0.93925196	1.0929441	0.48498225	1.0502958	1.1764106	1.4586635	21207	1.0781285	O OTTREGE	0 6260203	277725	077756566	0.71602327
Perceptor gamma	12365546	0.9899165	0.899432	0.9780455	1.0186231	1.0559383	1,0745033	4 207448	1 1816541	1 1258025	1.0188941	1.0854589	1.0536867	1,099195
Phase-1 RCT-143	0.5955697	1,2852459	1.5482461	12351394	1.0323515	1.3032331	1.1433779	V84CE00 0	1 0361131	1 0500282	0.9766326	1.0265851	0.6941378	1.0761899
Phase-1 RCT-251	0.5703308	0.9133489	0.91952914	1.0359254	0.6233853	9077	0.0677434	0.7227365	2350713	0 9008772	1.0312876	1,0307317	0.6899519 0.7	73594975
Phase-1 RCT-117	0.98399293	0.7518858	0.70373416	0.7105263	0.52/58330	2	02001134	4 400777	0.7591R73	1 111818	0.7497097	0.77145815	0,5806507	0.88639575
Christhione S-transferase theta-1	0.8145523	0.94601744	0.729086	0.891388	0.8842513	0,65001705	0000000	10000	0 R672518	0 9471337	0.97824466	0.9109735	0.90342766	1.0883939
Phase-1 RCT-91	0.8633019	1.0007851	12147833	10553405	0.38303/0	1.133324	05674004	0.085635	1 1176791	1,1531528	0.8886421	0.81133455	0.73551697	1.0957208
Phase-1 RCT-148	0.77339685	0.70131683	0.5043297	0.622303	0.702100	4 2545042	4 0703664	1 0426908	0 97506046	0.9108194	0.8543712	0.9995166	0.93164194	1.115872
Phase-1 RCT-142	0.53533715	1.1870064	12331492	0.9784223	1.0180343	2400000	0 0444083	04592166	1 0035854	0 89926356	0.9210536	0.9986143	0.8803835	0.92032
Activin receptor type II	1.6253883	0.8979509	0.9506415	1.0003612	1,0404024	4 44845BA	57802594	0.9477908	1 2047259	1.6010454	1.4196577	1,3138474	0.89362645	0.97412785
Glycine methyltransferase	1.949503	0.84367473	25337	0.6085118	0.405580	0.0000437	4 O403464	0 8487415	0.8857021	0.872004	0.89652574	0.72681546	0.9400702	0.8795233
Phase-1 RCT-281	0.6975885	0.92913646	0.8130/41	CZEDE / D	4.40544	4 0404748	1 0586227	0 8499586	0.8213	0.8287626	0.9824239	1.0379542	0.97659075	1.0364267
Ciliary neurotrophic factor	0.7847621	1.3152226	1.1511403	1.4104535	1.16211	2	-							-
Gap junction membrane channel protein beta 1 (Gib1)	,	0.000	22462364	anaeste o	0 F0072144	0.30368068 0.590373144 0.51308393 0.73067915	73067915	1,3240908	1.206796	1.6278256	0.867274	2,573511	1,3063627	0.91182345
	1.4161674	0.44445938	0.24 10220	4 000000	1 075004	0 0110008	1 0123734	0 91924626	0.8237883	0.89635336	0.934019	0.8726135	0.98655015	0.98335993
Phase-1 RCT-86	1.32/9529	0.91430473	1.01/9000	1.0020234	AE500270 A	1 1189847	0.9504863	13184599	1.2379296	1.0079588	0.9783564	1.1718795	1.1520829	1.0278413
Phase-1 RCT-287	0.58428246	1.0145579	1.201/202	4 4755750	C47C400 0	2 882745	1.0847125	1.3273708	1.0667819	0.86321785	1.0111849	0.9205956	0.9088638	1281082
Retinol-binding protein (RBP)	0.322303	4.1933033	1 2201.007	100000	1 0803976	1.5965602	0.8209188	1,1367549	0.9125499	0.71915	0.6446575	0.8833154	0.73130286	1.1711503
Very long-chain acyl-CoA synthetase	0.445/5258	1.4697833	1.3254001	1 0799348	1 2391825	1.1093043	1.2659124	1,5068063	1,4358848		0.84798217	1216393	1,0439758	0.99470204
Syndecan-1	4 CEEAORS	35503750	0 8905747	0.8348735	0.8573337	0.89316785	0.95037603	0,7767363	0.809139	0.78322448	0.81349677	0.8765219	0.7768239	1.1308051
Stathmin	0 82637155	1.1621691	1,8409883	1.6127875	1.34339	1.2111082	1.1351352	1,4891196	1.4558438	1,441694	13787352	1.308/633	2000369	4 ABROTTA
Ada	1,1133381	0.7136049	0.730071	0.67394686	0.763253	0.72340727	0.9474244	0.9127267	0.95188/25	1.09/8139	0.30467 30	0.0333173	n 74617466	0 9516273
Dhase 1 DCT.89	0.78185034	0.7090136	0.49040908	0.462222076	0.7510386	0.66308475	0.90836656	0.84609216	0.9241613	0.0014729	4 4864482	0.9131318	1 452521	1.1671053
Sarontlasmic refortum calchum ATPase	1.0102949	1.11326	1,2759304	1.2022578	1.1440581	0.9110837	1.30805/1	1.384101	1.23/800	4 5005004	4 102144	1 0522622	1 2363093	1.355085
Alpha-2-macroglobulin, sequence 2	2.5765734	0.8671539	0.8802449	0.90534544	125346	1.0107871	1.5563067	1.23331	0.4344703	0 9899476	1 0051489	0.9046057	0.89365226	0.9820424
Phase-1 RCT-204	2.150679	0.94732416	0.9503516	0.9016554	0.94740075	20032687	7/06/10/1	4 054778E	1 91811	1 735605	1.7650856	1.2782495	1.7190264	0.84383434
Vascular endothelial growth factor	3.565122	1.2748531	0.9409265	1.06966/9	0.941430	1,000000	50,70007	200						
NADP-dependent isocitrate dehydrogenase, cytosolic		0.00004067	30307036	0 57707455	0 8402528	1,1019773	0.9003602	0.8779755	1.0084207	0,7856684	0.8014894	0.968227	0.5438233	1,0739686
	10.022/000	4 4200212	1 2763550	0 8604415	0.73389	1,2999191	0.87474906	1,7029413	2.2845516	1.8257095	0.85134524	1.140136	0.74135846	1.191435
DNA binding protein imhibitor ILIZ	0.33204023	0 5303777	0.758501	0 40641618	0.80924857	0.9205004	0.9211521	0.72535306	0.5920465	0.7889705	0.45257792	0.48778805	0.5210805	1.6356/2
Glutathione S-transferase Ya	0.56241614	1 0765021	1 4635006	1.3576814	0.8417821	1,3417777	0.93038607	0.8774376	0,78030986	0.899084	0.24989893	0.8351132	0.5622634	0.9173007
Epoxide hydrolase	0.46097705	0.83598983	0.6988878	38878 0.56170547	1.1440253	0.641381	1.4412273	0.73585546	0.74845284	0.594531	0.41177523	4 4775775	4 4433682	0.8104834
Proctaclandin H synthase	1.1716475	0.9995363	0.6366263	1.0988126	1,1368809	1.0377089	0.91534394	2,3151655	223398R/	0.00000	0.7932643	0.58077655	0.76847464	1,0626395
Phase-1 RCT-136	0.5982104	0.89903903	0.816529	0.7742563	0.76798254	1.0268474	0.86882055	1.1186348	0.7314017	0.8053424	0 64412576	0.5949351	0,64463705	1,3020117
Phase-1 RCT-137	0.46357816	1.4163177	1,7846518	0.8307032	1.1269636	1.3191638	1,300323	0.0557554	1 0177157	1 0223781	0.9571119	12668196	1,0461797	1.0784032
Phase-1 RCT-138	0.71081095	0.89791155	0.8251261	0.7420324	0.01260016	4 0606137	1 156165	0.7509217	0.7874989	0,5321772	0.53058577	0,7685212	0.5692025	0.9643767
Hepatic lipase	0.4906924	0.9755258	1.041831	0.7719279	4 2202183	1 1190977	1 0301751	1 0115025	0.8027701	0.8056827	0.5841584	0.87300116	0.6045936	1.1767622
Phase-1 RCT-164	0.74489754	0.9254663	0.9/8402/3	0.9304013	0 02088395	0 ER77654	0.86015046	10409663	0.8297838	0.7903627	0.64912903	0.6550823	0.8500363	1.2108402
Acyl-CoA dehydrogenase, medium chain	4 2372603	0.78/6042	0.610133	0.42438245	1.057401		0.957775	1,9369853	2,0372508	2.0507724	2.0402963	1,3968016	1,5669423	1.5724369
Gutathione S-transferase Toz suburut	07710770	0.9735418	1.0738065	1,3381252	1.052803	1.D013713	0.95652175	1,010559	1.0304606	0.89964014	1.123775	0.828/932	1.1462630	4 0404087
Desert BCT-168	1 2649455	1,1232252	0.8781964	0.5091053	0.9945768	1,3061672	0.88116604	2.0472202	1.4795858	2.090478	1.2327822	1./U33369	0.62605443	11028069
Andromatein F	0.54386544	1.386078	12877986	0.73371845	0.9020439	1.1396095	1.1485865	0.6305002	0.6122864	0.5107331	0.5844917	0 52054304	1.1765289	0.8412697
110P-duammos/transferase	0.5915085	0.5279964	0.47213975	0.24689409	0.7649421	0.502373	1.4560981	7334866	0.75035353	0.711700	0.44406733	0.8917963	0.43096185	1.0245283
Glutathione S-transferase P1	0.83347800	0,8528821	0.8657307	1.0889838	0.8877288	0.92706764	1.0192147	3 5334575	2 4008926	2 8650613	3 931776	1,1863815	6,954755	0.9364661
Disuffide isomerase related protein (ERp72)	0.6285677	2.0784109	4.2548537	1.6779268	1.6/6323/	1,5232/00	1 005678	0.6858166	906202880	0.84758496	0.60840625	0.91493446	0.6379662	1,0894837
Ribosomal protein L13	0.7478103	0.0933020	4 2005253	4 7880121	1877374	1.124	1.7877328	0.52690315	0.7759015	0,6316193	0.83519095	0.6673271	12168888	0.8687579
Ceruloplasmin	0.5/40552	3,030,1989	1 0604851	0.502311	1,1112427	0.5473305	1.1298928	0.7393725	0.9491601	1.1715378	1.5065631	0.82288396	1.7771977	0.82822283
Inter-alpha-inhibitor H4 heavy chain (Iun4)	ויאנטטאין	1.14.1 200	100000											
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										10000	10000000	130404000	30,000,0	4 0555375
Phase-1 RCT-3	1.3743453	1.0044359	0.949143	1.0452516	1.0384188	0.9064705	0.0000000000000000000000000000000000000	63000/80	0.6934009	0.9170009	1,087919	0 7770545	1 5592589	1.3715662
Fetuin beta (Fetub)	.72126925	1.0083501	0.8416591	0.6742732	0.5531904	1.44/2000	0.7318930	000+000	0.0003414	0 8788712	0 5565575	0 6459303 (5.68429023	1,245993
hydroxyisobutyrate dehydrogenase	0.8476232	89220228	0.805/738	0.622/622	0.030200	0.00037.0	0000000	0.0031000	70001000	7850594	0.70016474	0.90471435	0.8205529	1,3695812
arbonic anhydrase III, sequence 2	0.6186368	1.0473332	1.0219154	0.64216334	0.6337400	1.3007333	4 04 534 43	7204476	0.0371300	0 7074501	0.634599	0 58452624	3,60229665	1.2059239
Phase-1 RCT-10	0.7133048	76411927	0.6743442	0.4826478	0.7023182	0.97039423	4 40084	0.4205348	0 563999	0.5895039	0.5600661	0.47660288	0.5874438	1,8916885
pha-2-microglobulin	0.7053761	1.20474	1.1413927	0.6206897	O.Seasons	0.000000	107477564	0 7139RT3	0 8205758	83055516	0.77934706	1.0215637	0.6662465	1.2337215
Dynamin-1 (D100)	1.090/103	0.0042943	4 2500048	4 4376345	0.0000000	1 1038467	1 1746032 0.51	51830053	63905174	0.547069	0.6863461	0.67782503	0.6708551	91191363
rsyl oxidase	74245404	1.29 (3833)	NEUS 200 10	2170518	914448	0.56117874	85838655	0.9213716	1.1331881	1,5431523	1.0720885	1.023372	0.7476545	1.2247983
Phase-1 RCI-252	1 2319651	95141584	0.89531094	0.7823151	689788	0.71824496	1.004762	0.91277814	1.0499356	1.0519266	1.1678016	0.9844519	0.94312847	90038395
Reservices	0.5750925	1.8925415	1,2836616	1,2828234	1.5458994	1.09220068	1.0982319	1,0002745	1.0060873	39074454	0.8633427	1.0845611	0.7635061	1.0122b38
Phase-1 RCT-42	0.9512016	1.2021692	1.0740331	1.0355434	0.9729044	1.295626 (0.87043196 0.99227	0.99227697	0.9748972	93220246	91665945	0.9511357	0.8144032	4 043725
hase-1 BCT-25	0.9946087	0.9017845	0.8991442	0.88365084	0.98963255	0.9934556	1.0963995	0.9201236	1.0558075	1.1/63338 0.9/	2.97353107	0.00/0000	A A E G 2 2 B E	4 1743778
Cytochrome P450 2C11	2,3695393	1.0548717	1.3714658	12260791	2.5876276	1.1464881	8	57410204	0.6788952	0.90/5606	2307078	0.7204733	0.4300000	1 1843557
Phase-1 RCT-202	0.81533766	1.4248308	1.2302636	0.7740123	1,0685716	1.2978861	0.7537882	12897406	1,2563585	1.1691331	0.858522/0	0.83022043	4 2466704	1 1813083
Complement factor (CFI)	0.7164054	1.5675254	1.814279	1.0806887	1.1049129	1.460959	95748544	1.0510322	1,336/311	1.4465699	1208031	4 4075024	1 3700002	0 935218
Proliferativo cell nuclear antiden gene	4.7867675	1	1.067941	1.281485	1.1246222	0.93111795	1.1586571	1.5951552	1.403924	1.30/4008	1,40,000	4 2744224	4 8530056	96314716
ceivating transcription factor 3	13,563021	0.8046288	0.6905121	0.9192277	1.095002	0.67236567	0.9440995	1 2245198	1.1798467	0.94040704	1.0304041	4 3704574	4 2437392	97276807
Focal adhesion kinase (pp125FAK)	0.8085918	1.4233799	1.5486678	1,3978257	1,0656973	12227253	1.025/143	1,3348/63	1.2089330	0.0874055	71003935	0 98289707	0 6705193	1.1287707
Phase-1 RCT-289	0.62027353	1.005513	0.7725764	0.6248746	0.8313635	1.1866136	1.0164912	4 4 4 0 5 4 3 2 3 3	1 1403254	1 7493521	1 6618935	1,4259177	1.3261403	0.9557381
Phase-1 RCT-259	1.0729604	0.9665886	1.3023942	1.1462171	1.18/8041	1 1180358	1 0172685	1 131405	0.97580653	0.9853613	0,5843121	0.86034924	0.8367039	0.9857332
iron-responsive element-binding protein	0.47050974	0.56774915	0.09330404	0.859990314	1 2530849	0.6170302	0.7750866	1,3714314	1.4968697	1,7525383	13104522	1.4503052	1.5033327	0.9030065
AHC dass langen K11.A1(t) alpha-chain	1.37.32300	4 3545937	4 4504596	4 0607485	7522690	1.4385743	1.4587871	0.64619374	0.8170809	0.73324275	0,4610659	0.7427851	0.66736895	1.1714375
Ary sufforms lease	0.43201223	0.08873535	0 92709875	1 078957	0.94714576	1.0361124	0.8947736	0.93155634	1.0180342	0.88165575	0.852727	1.0811616	0.8559542	1.0916204
hase-1 RCT-1/1	0.7201924	0 879574A	0 97057444	0.8900203	0.8130495	1,1422541	1.0041841	0.9850754	1.3464019	1,2454596	1.0056111	1.6854436	0.8563356	1.2902595
mase-i RCI-60	0.41224638	0.74754107	0.37896165	0.5332491	0.5383752	0.7234679	0.841639	0.59970605	0.76560587	0.7836567	0.5242405	0.660677	0.61212057	78350297
Tilase-1 No (-270	0.65644604	1.8661057	1.8954274	1,3351133	1.1581318	1,6104338	1.1733413	1.690002	1.4669117	1.071581	1.1815946	1.0984317	1.2537694	1.1015238
Anathorn	0.5624669	0.92085755	0.8662338	1.0140445	0.9583561	0.92789334	0.9970031	1.1570144	1.113717	0.9885076	0.79694366	1.0963053	0.75632423	4 0770000
Phase-1 RCT-62	0.6492399	0.8734756	0.7228915	0.91709167	0.83780428	0.7916305	0.8992249	1.0517057	1.0197958	0.863068	4.0226002	1.0593134	1 1400274	0 9039048
Phase-1 RCT-22	0.87033224	0.96585596	1.067941	0.95112294	0.931545	1.0772406	0.8571429	1 00000	0.9928/146	0.0475000	0.03474555	4 4070845	770510	1.0514488
17.3	0.928106	1.207276	12777036	12967584	0.9898786	1,730815/	0.03455765	0.0233017	0 9620071	1 0106235	1.0081054	1,0918618	1,128888	38785285
Phase-1 RCT-18	1.2883968	0.8642171	0.85159075	4 0474524	0.0827520	1 0256511	1 0416667	0.8451823	0 9029953	0.9943603	1,0597963	1.0219479	0.98455507	1.0312549
Phase-1 RCT-123	1.61/4935	4 003479	1 1791749	0 8524781	1.0047045	0.8908374	1.1853282	0.78276336	1.1810813	12220304	12623705	1.1622936	0.75089663	0.8947318
Phase-1 RC I-00	1													7
Equipmente introducty to the Series of the S	1,7791473	0,93274695	0.94943553	0.82861924	0.85138364	1.1484098	0.50936615	0.6744632	0.6049099	0.7874484	0.6664091	0.662926	0.6283686	1.32/6206
Glucose transporter 2	0.42668447	0.7946722	0.64006925	0.8734061	0.7107633	0.9754761	0.678147	1.2387159	1,0480173	1.0024647	4 0504334	4 4055054	1 0550074	0 9539934
Mullidrug resistant protein-2	0.83841586	1.018272	1,3259868	1,3289473	1.7951186	4 0044722	0.97165936	22/0330	4 390931R	1 4073464	1 2158796	1.5806053	1,1196519	1,0254995
Muttidrug resistant protein-1	1.2545891	1,420656	1.84235	1,2215000	1.07.09030	1 103441 22	0 7680744	4 434348	1 6243811	1 5606008	12107654	1,3904495	1.2774831	1.1497607
Phosphatidylethanolamine-binding protein	1.3525821	0.69453794	4 5243664	12/69/67	4 0862778	1 3785092	1 1601357	13873124	1.238912	1,422806	1,5331253	0.9501948	1.5225412	0.92153114
Phase-1 RCT-180	4 0503455	4 4407005	1 150/365	1 4451285	1 0219454	0.9407176	1.0677212	1.1951314	12843355	124664	1.475375	1.0460166	1,585536	3,92689216
Integrin beta-4	F 878181	1 0053422	0 99591017	1.099704	12920172	1.0924181	0.9194805	2,1574767	2.3715277	3.1294367	1,4370009	2.2480915	2,8037517	0.89706653
MAIDEN CYNDAROTTE PADV UNDURENIEUGASE	1.9543264	1,2103537	1.2797658	1.132152	1.2053251	1,0665038	1.2131243	1.0069392	1,0495809	0.945364	12327199	1.4088122	1,5863626	0.9663949
Endogenous retroyiral sequence, 5' and 3' LTR	0.83932567	0.46470773	0.5656837	0.38282225	0.8805447	0.3791176	0.9393628	1.3027282	1.1936423	0.8962818	1,2085/	10007070	1.00/1003	0 8200286
Phase-1 RCT-53	0.9647411	0.81300026	0.7489475	0.631002	0.80318934	105556887	0.8840543	1.0303433	1 1389753	1 2291106	1.088693	1,2386033	1,1128609	1,0607703
Phase-1 RCT-54	0.8171573	1.1041895	1.085368	1.082/168	0.95304000	0 5805081	0.8460318	0.8225272	0.79349506	0.98095137	0,9070772	0.6032159	0.9837635	0.89455384
Phase-1 RCT-240	1.5926216	4 4651903	4 6873007	1 2242591	0.9616362	1.1552677	0.93675214	1.2848251	1.2277347	1.2673945	1.0801473	0.9628589	1,2037107	1.1781437
Osteopontin	1 0309296	0.8411975	0.8562058	0.86540735	0.91264594	0.9547658	0.8157725	1,4730916	1.6277286	0.8615454	0.791054	1.0660956	0.8960297	1,0354607
Organic anion uarsporting polypeprine i	0.050000	1 2141725	2 17 19458	13556657	1.1661302	1.0698792	1.3508484	12412869	1.0137258	1,2250859	1,3629199	1.2909758	1,629271	0.93939143
FIRSE-1 RUI-241	0.8963595	2,8182917	2.7914026	2,1863858	1,3510365	1,3157197	1.2084757	0.76620966	0.8802909	0.85075146	1.0586033	0.84667194	1.1397249	1.0007019
Cyclin-dependent kinase 4 Inhibitor P27kip1 (alternate					00000000	000703770	4 001443	A 90088422	0 8530853	0.90628827	_	0.76401657	0.9643034	3,83998835
clone)	1.9080335	0.6251635	0.55069152	4 07770904	1.029685	0.88785493	1.1863354	0.8624973	0.8942518	0.953292	1.0760396	0,88962626	1.1087911	0.9303517
Phospholipase D	1.621U930	0.9049181	1 084882	1 054584	12504222	0.77304065	1.1284997	1,3405852	1,2880008	1.2094142	1.4341855	1.1046083	1.7542093	0.98322177
Phase-I RCI-38	0 79951066	0.9618374	1.0778968	0,91489094	0.9128715	0.90915745	0.8972205	1.2021208	1.2249795	1.3444382	1.2371739	0.94874394	1.4500786	1,0142974
Phase 1 RCT-113	1,7002923	1,2021859	1.3608607	1.1390978	0.8803819	0.75988257	0.90165925	1,1955097	1 2925789	1.5084445	1.3624423	1.4531258	1.6304/35	1,011432
Adenine nucleotide translocator 1	0.6326571	1.0952837	1,2834783	1,3268446	0.90966244	1.3419259	0.94676375	0.869974	0.77470165	0.8305087	2 4427464	0.0122310	K 3320R94	11447515
Alpha-1 acid glycoprotein	0.7887134	18.988672	20.05901	12 229012	4.600723	1.1372691	5.77593	O SCOUNTS	0.00000000	1 25050	1 20756	0.7733165	0.79832226	0.93879354
MHC class II antigen RT1.B-1 beta-drain	2.1015937	0.7916152	0.7554927	1,0063507	0.60668545	1,0835400	U.D487.611	U.Bacharov	0.54203501	Taxable 1				

wo	0.3	/095624

Organic cation transporter 3	0.7247326	1.5818412	2.1345587	1.4614248	1.1886784	1.0942092	125032	0.9820307	0.9820307 0.91619545 0.95421267	0.95421267	0.9929005	71202773021730217	L.	1,0818217
Hypoxia-inducible factor 1 alpha	1.9633366	1.9633366 0.98856204	1.1836679		1.2065443 1.2247624 1.0092005		1.2635468	0.92731583	0.9685725	0.89710784	1.2635468 0.92731583 0.9885725 0.89710784 0.7567911 1.0235962		0.7131867	0.9869582
Phase-1 RCT-43	1.0432123	0.88535025	0.80063677	1.0432123 0.86535025 0.80063677 0.79789653 0.74743587 0.7659279 0.8588818 0.86501637	0.74743587	0.7659279	0.8586818	0.96501637	0.9281528	0.96678185	0.97280616	0.9281528 0.96678185 0.97280616 0.8199045 1.1618612		0.9700462
Phase-1 RCT-45	1.0082113	0.91150874	0.94939226	0.91150874 0.94939226 0.95634526 0.91070116 0.90485784	0.91070116		0.9568553	1.0886981	1.1060463	1.074069	1.074069 1.1720154	0.8831045	1	1,0055114
Malate dehydrogenase, cytosolic	0.55623195	1.031299	1.1248896	0.7599082	0.9639645	1.1045582	1,2705168	1,3285736	1.5743225	1.5958784		1,2706255 0,85628694		1.0362207
VL30 element	0.59084564	0.6428033	0.5978482 0.43499362	0.43499362	0.9443414 0.37222564	0.37222564	1.0596395	1.6974913	1.7297716	1.7297716 0.94964075	2.3353157	0,8862752	1	0.8761255
Phase-1 RCT-189	0.6390833	0.5987421	0.4998794	0.3004961	1.0343988	0.50944906	1.1515245	0.540427	0.6926088	0.6086645	0.6086645 0.50512904	0.5145474 0.50309306	_	1.0968194
Alpha-fetoprotein	1.3083322	1.4054549	1,5342116	1,4148064	1.3257304	1.2974865	1.1022481	0.8136603	1.0000514	0.9813829	0.8227341	0.9326102	0.8253432	12196689
Calgranulin B	0.4289424	1,31871	12137858	1.2137858 0.50941265	1.0739686	1,3072203	0.9648324 0.77155244	0.77155244	1.0922508	0.8988261	1.1388053	0.8392984	1.0382389	1.0736291
Tissue plasminogen activator	80163680	0.8353108 0.88549495 0.89854205 0.73202395	0.89854205	0.73202395	1.047237	0.9244166	0.8713399	0.87570786	0.9346794	0,9699501	0.9699501 0.91817915	0.9986811 0.88485044	0.88485044	1.1003535
Phase-1 RCT-195	0.68756425		0.8403744 0.7356211 0.68090296	0.68090296	0.9944562	0.7634807 0.92887545	0.92887545	1,2130237	1,1138927	1.1701813	1.1701813 0.94765246	0.904511	1.0029683	1.08776
Liver fatty acid binding protein	0.2779199		1.3821452 1.4536741 0.78277975	0.78277975	1.091895	1,2566516	1,2566516 0,8830119 0,95105594	0.95105594	0.6990956	0.47871602	0.6990956 0.47871602 0.4833844	0.6921694 0.83348304		1,2203408
Alpha-1 microglobulin/bilkunin precursor (Ambp)	0.59102154		1.5052874	1.4980462 1.5052874 1.0178143 1.0926925	1.0926925		1.3206339 1.1322618 1.0383575	1.0383575	1.013196	1.061187	1.121406		0.5771568 0.9957686	1,2012482
Phase-1 RCT-294	1,5387313		0.78974234	0.8247408 0.79974234 0.9926088 0.7981775	0.7981775	0.9077368 0.9039548 0.8236185	0.9039548	0.8236185	0.8895777	0.9784029	0.9784029 0.9510075		0.9696089 0.92032238 0.93500507	93500507
Phase-1 RCT-151	0.54866076		1,2303172	1.2084465 1.2303172 0.9980502 0.9307641 0.9947241 1.0061052	0.9307641	0.9947241	1,0061052	1.2695832	1.1278117	1.1278117 1.1263684	1.1175526	1.1852206	1.1852206 1.4862835 0.92448413	92448413
Phase-1 RCT-158	1.700263	1.700263 1.0354351 0.9804289	0.9804289	1,0328947	1.0328947 0.9807846 0.8701985 0.9142857 0.8675846	0.8701985	0.9142857	0.8675846		0.8699149 1.0219336	1.0551201	3.0118814	3.0118814 1.1329299	0.9404023
Phase-1 RCT-221	1.0378331	.0378331 0.91822445 0.73012805	0.73012805		0,7376878 0,65483177 0,56398666 0,8387592	0.56398666	0.8387592	1.0619041	1.0077071	1,0987163	1.1576494	1,0550746	1.2389913	0.8856884
Phase-1 RCT-235	1.0120432	1.0120432 0.72301567 0.66938465	0.66938466	0,5500563 0,8604867		0.5234916 0.94058156	0.94058156	0.9667852 0.89590836	0.89590836	1.012968	0.9304818	0.9242173	0.9001573	0.8682195
Organic anton transporter 3	1.203462	0.8344263	0.7959083	1.150674	1.150674 0.84768057	1.0588866	1.0417583	0.84491014	1.0417583 0.84491014 0.77906346	0.63044107	0.549161	0.549161 0.73466086 0.51103354	0.51103354	1.1667789
Matrix metalloproteinase-1	1.5348325	1.4380375	1,5708599	1,1139706	1,1139706 1,0305166	1.5960741	0.7094278	1.8254838	1,2999136	1,0790876	0.5837775	2,3958344	0.6774531	1.3127109
Urlnary protein 2 precursor	0.38295403	1.255217	1,4996179	0.70718366 0.91595674	0.91595674	1.2054161	1.4181455	1.4181455 0.58618164	0.751533	0.6237259	0.6079804	0.6079804 0.67007166	0.50593865	1,3963895
Phase-1 RCT-212	1.0684634	0.862872	1.0157853	0.97511	1.0545986	0.8246079	1.1156462	1,3270696	1,2115074	12222428	1.3268201	1.080513	1.4374882	0.9709001
(1) Gene expression data for 6 hour timepoint are														
presented as mean ratio of treatment/control for all 6		•			_						-			
hour predictive genes (Table 18).				-										
(2) Compound and dose abbreviations as in Table 1.														
(3) Individual animal number							-						-	
(4) Liver inflammation classification for compound-														
dose group at 72 h: yes-nect, necrosis observed; yes-							_					-	_	
both, necrosis with inflammation observed; no, no histographylogy observed														
(5) Predictive gene (as in Table 18 and as included in														
(Table 26)					_						7			

						-	-							
Table 28. Expression Data for 6 Hour Timepoint (1)		+				+	Г			П	П	П		į
	PEN 250	EN 250 B	EN 1000 E	EN 1000 B	BEN 1000 BJ						BUS 14	CADI	262	243
	DEIN CON	2023	2031	2032	33	2341	2342	2343	1/41	1/47	2	-	2	
Animal Number (3)	2707	2	D. D.		5	ou o		٤	2	2	2	Ī		
Liver Todaty Inharmation Cessuication (1)						_		300000	2 2255044	4 0887092	1 2400824	1,1144817	5,54081	1.113687
Leave Name (3)	0.9549934	1.0717798	1,0304934	1.5515112	8	瀫	0.7376288	0.91442023	1 0389175	1 0475538	1.0561299	0.90899444	0.73564404	0.7706641
Codd463	1.1583636	0.9683761	1,1387544	0.94526756	0.95152944	9	1,000,10	0 0128/108	0 84814847	0.8112546	0.9711506	1.0993483	0.98025926	1,2759346
Collect	1.0201082	1.0291198	0.97820175	1.1184841	1.123/218	4 4B74468	1 2075617	0.9180057	0.9578985	0.88638616	0.89947426	1.1472915	0.98230153	0.5546369
NIPK	1.2889326	0.8742918	1.326.3052	1.20259/3	1 280369	1 3073148	1.0018548	1,1605837	1.1590776	1.0815574	1.2412051	1.007254	1.480641	0.8483314
Cathepsin L, sequence 2	0.9678798	1 220452	1 495,801	1 409539	1.0226585	↓_	0.9456133	0.9079599	1.1563706	0.93850446	0.9272289	32946606	3.054435	4.800 183
Heme oxygenase	1.1904037	0.07732043	1 0756593	0 98227453	0.95992374 0	0.98944443	1,0157758	1.0539043	1.1447014	1.3647779	1.2901338	1,3304104	4 4758745	1 4170561
	0.07704034	0.0000000000000000000000000000000000000	0.9158688	0 8848162		0.97223264 (0.82953066	0.702058	1.1787997	1,3347849	1.2300030	1.2010/33	4 1070614	0 6138931
Phase-1 RCT-111	4.0244640	1 2448846	1 280877	13599861	1.0105871	1.2600881	1.0079525	1,4069893	2.3255715	1,9772974		22/02/3	0.00889755	1 6309329
Argininosuccinate lyase	70725707	0 88641816	0 98488706	0.8264538	0.8820885	1.0242472	1.045194	1.118915	0.90362245	0.8809819	0.8/00/23	0.04231030	4 4603000	1 4232788
DNA polymerase beta	0.00300131	0 89294684	0 96347034	0.862024	0.97534394	0.9622222	0.7777133	0.58074135	1.1279218	12862465	1.190007	12001112	1 130238	1 3092347
Phase-1 RCT-103	0.001301130	0 7747168	0.90221	0.7959537	0.7920341	0.9786599	1.0895226	1.1246122	0.9658835	1.43/2851	1,1990930	4 40003902	C67CEUG 1	1 227331
Ribosomal protein S9	4 1207148	1 0587201	1,1049299	1,016655	0.97124326	1.0601279	0.9590892	0.8385158	0.98389643	1,0144547	4 2474760	1 1872265	1 4264657	61179477
Phase-1 RCI-114	1 0947173	1.1597381	1271488	1,3232657	1.1758727	0.8864738	1.0550056	0.96210974	1.4660423	1,02661.1	0.061158	2 0376959	2,638398	1.6586162
Phase-I KCI-13	906//66 0	1,362949	1,2373819	2,1291444	1.2273024	1.1747035	1.1052834	1.0462251	0.5350050	2000	20110			
Nacrophage inflammatory promits of the							4 000000	0.7096228	1 08044	1.0441872	1,0161572	1.28933995	2.9619033	2,615093
omien (PC3)	0.82549727	0.7710759	0.94734794	0.885401	0.8494008	0.34793023	4 2700487	1 055754	13516432	1,3374596	1.0991573	0.8142092	0.46789062	32825096
Phoce 1 PCT-191	1.2647693	1.1906615	1.162903	12692068	1.2495509	1,2883/69	0 04 1088	0 9018167	0.91113464	0.8766923	0.79261607	1,4171674	1,0398196	0.8650923
Phase RCT-63	0.9823445	1,2812889	1.3275704	1.4374092	12151478	0.30300000	8777748	0.8415407	1 0654403	0.9155206	1 0,9091117	1.0381557	0.9295319	0.7374812
Odio 03	1.0806681	1.1143575	1.083617	1.3691285	0.8741248	0.950999	O ROUTURAS	0 71356493	1 0221446	1.1265231	1.1071888	1.201053	1.1768397	1.0483346
Phase-1 RCT-108	0.96376926	0.95145416	0.93712205	0.8683726	0.36490000	0.000000	4 000003	0 79513294	0.6918902	0.857315	0.68252754	1.3976942	2,9126198	2,0230391
Phase-1 RCT-56	0.91347516	0.5250581	1.2539492		0.00000000	4 3047074	0 R93R749	1 0891109	0.90109503	0.91737986	1,0581532 0.90	0.90749055	1.1467562	1.1806418
Phase-1 RCT-192	0.9570303	1.0072279	0.96196353	0.90/64815	0.50/02390	4 4275959	4 2508633	1.0866421	0.9265889	0.9923911	1.031938	0.87510043	1.1153481	0,865/7415
Physe-1 RCI-75	0.9611864	1,0002882	0.896945	1.1225103	0.500/301	1,137,0000	1 0469472	0 9993674	0.9697701	0.8183399	0.8851501	0.8708816	0.8644386	2.7855947
Acetyl-CoA carboxylase	0.942078	0.8281677	0.92361027	0.8565656	19	0 97855914	1.0193739	0,9949538	1.0631623	1.183915	1.158582	12180234	0.9724759	1,0500332
Phase-1 RCT-95	0.929858	0.96742004	1.0030022	0.04500473	1 0799503	0 8487398	1.0395609	1.1134567	1.1349843	1.0825364	9 0.9675204	0.9455617	1.42/2003	2007
Cystatin C	1.0636247	0.9962187	0.9276934	4 0480413	0 96050954	0 99303454	1.044677	1,0576253	1.179395	0.79086494	_	3 1.5006728	1,5003143	2013000
Phase-1 RCT-49	1.1629/13	1.0330343	0630830	1.343967		4606	0.96273005	1.1384175	0.90175855	5 0.920833	3 0.8040741	1,50000	2 471005B	2 8004453
Phase-1 RCT-9	4 22626	1 1544037	0.9567532	1.4173826	1.0051656	1.2708099	1.2991488	1.46832.06	0.7213792	0.763617	4 4744075	1 200451	0 98712784	1.0613284
Gadd45	0 94035846	0.9632049	1,0173719	0.90721303	2			1.076497	1.04392	4 07450	1 012124	7 0 9161022	1.0674157	12148882
Hase-1 KC1-150	1,007307	0.9500707	0.96436256	0.82303745	0.9818752	0.97788943	0.95118374	1.000400	1.02200	0 74 2024	O ZRANDRR	7 13186321	1,3102024	2,1354961
Conun	0.96437466	0.9061555	1,0382477	1.1604958	0.9046334	0.9197086	1.04/3063	3700000	4 0655128	192781	7 1,065031	3 1.0718037	0.85906507	0.45597756
Mozeuhane Inflammatory motelin-1 aloha	1.183116	1.317512	2.12987	1.3809446	1.0288526	1,006,1863	0.96/3199	0.04478265	1 1133416	0.9160895	5 0.95689154	1,558597	2,37883	0.8517192
Zioc finner profesio	1.1262603	1.0347207	0.943564	1.0613304	45529	4 4255402	4 4060001	1 0694886	0.92882645	0.892396	٠.	4 0.8765896	0.93333334	0.91393054
Phase-1 RCT-73	0,98452808	0.912441	1,0235337	1.0541768	0.8/222304	1.1203432	0 7822418	0 87764663	1,3063034	1 0.876414	8 1,253884	4 0.7621953	1.0604109	1,8305466
Glutamine synthetase	0.879449	0.98520404	4 6764679	1 0733774	0 87572336	0.7482706	0.8761343	0.8210863	0.91602457	7 0.785981	3 0.680412:	1.1052868	0.99023694	4 0434037
C4b-binding protein	0.883233	4 4403341	4 1277505	13467069	0.9802957	1.0186136	1.0789002	0.9350918	0.9841146	3 0.808348	8 0.80648154	4 22415/35	1 3357005	0 9549855
Phase-1 RCT-242	4 0317630	1 1117833	1 1301895	1,6554614	1.0153717	0.9361773	1.1907914	1.01483	0.936180	3 0.843043	1 4036	0 7525377	1 1466509	23427007
Phase-1 RCI-50	0.8734031	0.9354629	1,0330127	0.91768706	1.0042218	12135237	1.0966767	1,2003436	1275203	2012121	7 4 44324R	7 1 212915	2 9342427	1,0956092
Flongation Factor - 1 at Julia	0.96189946	1.1099677	1.1594422	12221786	1,1600702	1.153276	0.9791925	0.9688243	1.114503	1 254943	8 1 222733	5 0.91270614	0.71155405	0.42142352
the sin lite omouth factor binding protein 5	0.998534	1.2486013	1.0400392	1.1352482	0.9008202	0.9802/54	0.90600124	0.83701044	1 387423	3 1.166346	7 0.851666	7 1,3083559	1.9528078	0.88953173
Phase-1 RCT-59	1.0621262	1.05186	0.9647018	1.0979718	1,0629542	0.08239173	0 9359064	0.8913795	1.061453	3 1.204433	1.109705	7 1.4803036	1.4322283	1.3097183
Phase-1 RCT-76	0.9393756	1.03481	1.013026	0.33636713	1 0208918	1 1963959	0,9338194	1.0811026	3 0.88932.	2 0.90404165	1.090727	2 0.8374965	0.8484359	0.8530034
Fentin H-chain	0.98901450	0.8650 19	0.975476	0.7475332	0.9372163	1.0741625	0.8013224	0.82256097	7 1.014861;	3 1.020961	6 1.136285	2 0.344320.	1 2005001	0.9998778
Selenoprotein P	1 120947	1 0 B7531724	0.96586	0.9406514	0.94569534	1.1046557	0.983561	1.023506.	3 1.012077	7 0.9116087	0.9774074	A COSCERNOR	0 6358515	1.058417
PTENMMACI	1 534106	1 0 892996	0.795777	1 0.5479885	0.8374233	0.8316043	0.B409492	1.097692	3 0.981694	1,2230	ACM324	1 325911	0.58350674	0.49020186
Phase-1 RCI-214	1019340	1,137759.	1.015771	1 1.094983	1.122985	0.8895494	0.96230990	0.98556817	0.762533	2 0.03440	0 400370	4 1.0457618	3 0.78981155	1.03352
The middle seedbase	0.955985	1 0.853463	0.866821	4 0.7510875	1.0161531	1.0199044	1.10168	0.8376043	1 006314	1 062620	1,469429	5 1.5260093	3 0.24999648	0.21181788
December 1 DCT-13	1.124886	8 0.760212	1.243179	9 0.7825759	3 0.9073306	0.65670025	0.7837788	4 433340	1 27389	1 0 791016	5 0.832975	·9 0.888834	3 1.1807082	1,1388469
Mudoscore assembly profein	1214188	9 0.594879.	2 0.892282	7 0.3964798	1.1437826	0.7854957	1.104037	087890	2410094	3 0.88856	77 0.744221	1.121115	7 0.8864611	3,253094
Chalestern 7-alpha-twdroxytase (P450 VII)	1,147885	3 0.87902	9 0.6366271	4 0.567918	9 0.7674264	0.9502630	1 0526954	0 994237	1 0 770384	9 0.662489	15 0.6617852	1,891986	5 0.820893	0.6004899
Vestoutar monoamine transporter (VMAT)	0.896534	1.04311	3 1.072325	1.48386	4 44305	0.602331	1074102	2 0.937854	9 0.863196	9 0.755414	36 0.7717314	1.129324	2 0.8193034	0.7814747
Phase-1 RCT-260	1.190130	2 1,006,300	1,077000	1,000,0		- Anna A								

									12022001	1,1000000	100000000	4 00868541	1 0414571 0	93550044
Phaca-1 8CT-32	1.4391015	1.4207463	0.8668482	1.4148178	1.6635916	0.0911089	1.0862768	1.0921917	1,011/19/	0.9650337 85030916	93838933	1.0907078	1,01205	3677781
Peroxisome assembly factor 1	1.1075363	1.1384281	1.0323869	1.0730946	1.0238961 0.	39/374430	4 0043545	0 998203	0.888995	0.6865799	0.7590508	0.9568839 0	78173983	3,8435737
8-exeguanthe DNA glycosylase	0.9671794	1.075637	1.060725	1,0881694	4 052705	4 0444700	0362397	93921715	0,9209407	3,98195076	0.8492837	1.0851476	0.686916	1.2597634
Phase-1 RCT-82	1,0333428 0	.98962916	199272597	1,00455/1	1,055,00	0 5530024	84879553	1,00835	1,0969919	1,1210737	1.5254365	1.0923438	1.3190664	2854783
Matrin F/G	1.0462224	0.9390943	1.12/938	0000000	1.0303303	1 068518	1.0462236	0.9402627	1,0307648	0.9261319	0.82391113	1,0109161	0.757958	-
Phase-1 RCT-184	1,0075557	1.0423428	1.043201	0.5330850	0.8534765	0.8789651	0,8911815	1,1608813	0.9421744	0.966176	1.1560237	0.68445045	0.7132889	2/6340
Phase-1 RCT-168	1,0285/17	0.0593037	0.03/0000	1 1121122	1 0502428	0.9757909	0.91454494 0	.89785236	0.94470483	0.787407	0.82268655	1.0986946	1.06/4233	10431134
Phase-1 RCT-119	0.3047 147	03529433	0.9226166	3,76703596	0.8557934	0.9561773	1,0265778	1,2062176 (0.94712824	0.7569226	0.8175196	0.451/3455	4 2077820	5629064
Carbonic annydrase u	0.8964503	3,92610735	0.8884928	1.1281359	0.9335435	1,1253415	1.068326	1.1382437	1.2847296	10/85285	1 244088	1 131043	1 2610104	1,1356494
Dheed BCT.71	1.1969875	0.8056921	0.97833353	3.87286675	1.0502499	1.2519714	1.199545	1.1203063	1.0011040	1 1087157	0.9695522	1,1152828	1.6270827	1.8402045
Phase-1 RCT-179	1.112049	1.034931	1.2662401	1.0775819	1.0372267	1.042799	1 0573087	94557846	0.919013	0.8704148	0.7769789	0.47524476	0.5530057 0	42978317
Phase-1 RCT-161	1.136107	1.0563987	1.0216721	1,1/1/05/2	1,90613070	97784925	77678786	97090566	1.2242144	1.1249889	0.98533016	1,3360201	1.6967962	0.6133941
Phase-1 RCT-207	12152554	1.0148903	1.0003138	1.101/302	1 0185765 0	85771203	1 0796282	1,001341	3.94009125	0.92332536	0.9387069	1.2140448	3.97313094	1.7107127
Phase-1 RCT-144	1,2311654	1.1515616	1.1201974	SHOPE OF A	1 2128373	3 1801095	1,6650091	1.3840051	1.3270012	12174518	1.1149601	1.2236041	0.8541667	1.0149516
Phase-1 RCT-225	1.3046439	1.3333339	0 81784785	0 838358	1 2942786	1.6571988	1.3947438	1.5483325	1.0779967	1.0771118	1.0624764	0.70631146	0.41931415	0.7208381
Cytochrome P450 2E1	4 24922R9	1 0536817	1.1008229	1.0810982	1,0023307	1.0071018	.94658047	3.95424634	0.831251	1.1473962	0.97483313	1,03300/8	1.4301332	2 303528R
Thismaton of Treat	0.9058038	0.8631975	0.89113235	0.84044665	1,0469868	95773085	1.0829806	12038869	1.0505008	0.9858323	0.6850939	0.31618318	0.4799587 (76793283
Catonia apputational III	1.3769562	1.1699673	0.9092153	0.29049295	0.8785826	0.744348	51895696	02927967	0.000303	0.003033	0 04 1 108 334	1 0395485	0.96584864	63297147
Dheen 1 RCT-140	0.9681472	0.96091217	0.9734425	0.94932467	0.96700466	1.0020803	1,135369	1,0072310	1.0201300	1 3945804	1.1506827	1,1120188	2.0578363	3,2991672
Complement component C3	0.7899027	0.9256905	1.1407012	0.8118255	0.97567505	0.922350	0.61628303	1 3617924	1 3270768	13541161	1,0781056	0.604603	0.72970766	1.3890611
Glucoldinase	0.8561947	0.75943524	0.93862665	0.8853655	4 0640497	1 0775123	1 0488313	1.1048387	1.0874552	0.94379324	0.9122806	1.1470097	1,0463992 (62292945
Phase-1 RCT-173	1.4660759	0.9898723	0.90625456	0.7350935	1 0079452 (93583417	0.9186989	0.9436815	0.86446758	0.6711965	0.7237923	0.98481005	0.7468206	0.6618828
3-methyladenine DNA glycosylase	1.0049233	1.1030221	4 014494	1 127635	1 1291926	1.0633434	1.109238	0.96270823	1.3210993	1.2255765	12721031	0.8158523	1,0111487	4 9200004
Peroxisorral multifunctional enzyme type II	1.09/6/3	0.3/72013	0.9976908	0.8128642	1.0579932	0.8700024	0.8271677	0.8514841	1.1832219	0.99330248	12809854	0.70263565	12/40551	1.8200004
Phase-1 RCT-40	0.867	0 7703715	0.9048496	0.49035314	0.7862633	1.0722827	0.77595866	1.1280499	1.0416205	1.266858	1,3245/78	4 4007089	4 5083688	1 2410102
Senescence marker provent-30	1 0911125	1 223063	1.0394315	1.2198827	1.1107566	1.0720488	1.0913224	1.1404341	1.4571083	0.944012	1.1034241	0 85369164	1 0143875	0.8925012
Molanoma-accordated antinen ME491	12499882	1.1408322	1,2807392	1.054246	0.82847357	0.91777945	1.0254982	0.99156755	1.4Z6SU38	0.8630552	0.86174	1.1382973	0.83710533	0.88748356
Phase-1 RCT-28	1.109443	0.9919462	0.9919106	0.9506441	1.019278	1.0193576	0.97488346	0.9959185	1.0161228	0.9191657	0.886896	0.9432033	1,1907893	76642895
Emerin	1.1775948	0.9395209	0.98812544	0.94//368	1.1/8000/2	1 1405776	1,3272941	0.9087019	9 0.56473005	0.7032464	0.93269	1.2440407	1,979637	5.6976843
Alcohol dehydrogenase 1	0.7081685	0.36430636	4 041RESE	0.4502022	0.89521086	0.91950583	0.91704464	1.0569612	1.0723841	1.0968151	1.0801704	0.76083255	4 9767756	1 043424
Stem cell factor	1.0292010	0.8948201	0.5045706	1.1475314	1.0291797	1,214508	0.80898236	0.7695729	1.2630837	1.0014797	0.8794588	1.070505	4 0636530	4 445554
JNK1 stress activated protein incress	0.010001	0.95208526	1.0942724	1.0823686	1.0307587	0.9584628	0.8260769	1,007119	0.86898243	0.7905607	0.780.000	1.100/01/	0.7976506	0 6819216
Protein Mosine prospriatase apria	1,0062453	1.2045653	1.5779655	0.8353053	1.115457	0.9038845	1.1947882	1.0233783	0.6326391	0.6204104	1 1446311	1 062068	1.5463047	1,3830999
I birmitin contrading enzyme (RAD 6 horndlogue)	0.77758306	0.85388297	0.9874579	0.8972662	0.84853023	0.99098873	0.95052344	1.0003070	1 1830039	1.0512486	1.1277868	1.1484349	2.0884538	3.715367
DNA topoisomerase I	0.8387902	0.9348186	1.1189626	0.85192513	0.9813/38	1 1412182	0.00017690	1,1380948	0.9692596	0.9335378	0.8376858	1,3125235	1.1449205	0.8824548
Phase-1 RCT-280	1.0216712	1.1429276	0.5652556	1.0053402	4 0045923	1 1759368	1.210189	1.0883915	1,3652031	1,2555023	12673516	1.1477357	1.4560213	2,5777514
Superoxide dismutase Mn	1.021/282	4 0001313	1 0786425	0.8089006	0.9210888	0.8369234	0.994945	0.95830196	1.3110378	1.6485544	1.6386973	0.72835046	0.48282336	0.512897
Beta-tubulin, class I	A0535530A	0 R7524724	0.808083	1.0792994	0.9954533	1.0622809	0.83417886	0,8565407	1.290974	1.5700518	1.2155/01	3000000	0 000 85652	0 R704991
Carbathy phospitate syndredse i	0.9159314	1,1050771	1.0361484	1,1151773	0.9334837	1,0817153	1.1463512	0.95046383	0.95909655	0.914683	0.88393040	1.0030103	4 2236757	4.9385724
Phoen.1 PCT-141	1.0002797	1.4169328	1.2884331	1.9746162	1,1034142	0.6848229	0.81162/7	0.7423343	4 4407305	0.0008972	1 2699002	0.92097354	1.1326066	0.7193997
14-3-3 zeta	1.1570945	1.1075889	1,0827193	1.0327682	0.9628457	1,0311359	4 5474470	0.90304337	0.95421934	1,5480622	1.7075292	0.5384945	0.6187898	1.273041
Gamma-actin, cytoplasmic	0.99077034	1.3061948	1,4726994	0.6923500	0.0061249	1 0221624	1.0358661	1,1063783	1,0361149	1,2334631	1.2403561	1.1727208	1,4934385	1,6134553
Ribosomal protein L13A	0.82404274	1,0075092	0 R309227	0.8534247	0.8984095	0.9660829	0.986835	1.087695	1.44349	0.9955006	0.86108726	0.91928977	1.5929453	2.497188
ikB-a	4 0544694	4 0470249	1 2152191	1 4472709	1.0905639	1,3336216	1.1220204	1.019122	1,3893318	1.0868341	1.1432387	0.93145265	0.0334800	0.0202030
Phase-1 RCT-65	1 0907647	1 2735114	1.0538281	1,3020523	1.1935297	0.9770911	1.1124682	1.0067432	1.339199	1,2097919	1.194697	0.21/6220	0.5447767	0 22843519
C-fun	1.1043752	1.110397	1.214551	1.1358361	1.2505432	0.9276549	1.0343716	1.0981034	1.7672653	3,97050	1.00010	0.01349635	1 1233987	0.53017795
MAG Cod reduction	0.9799036	0.9008823	0.9263941	0.7233337	0.90322816	1.045674	1.1349827	1.067891	1.1/3224/	1.0787843	1 0730585	1,1090407	0.87376106	0.77487546
Prase-1 RCT-12	0.8617997	0.9611797	0.9356191	0.82420576	0.9835148	1.0583106	1,002,000.1	0.3007 0.23	Secondon's	2000				
Interferon related developmental regulator (FRD)		90000000	7,0000	4 4000044	0 97056577	0.6318749	1.0416102	1,0051893	1.1008086	1.1515131	0.8593496	1285831	2.18344	2.7818956
(PC4)	0.9031772	1 2235013	1 506497	1,1155736	0,8982825	0.59863865	0.8077769	0.75728476	0.91428226	1.3532659	1.3708651	1.3022462	1,0002612	0.56337766
Glucose-regulated protein 78	759375997	1 025222	1.1046708	0.93663627	1.0382205	0.9281052	0.75670516	0.84208685	1.1303773	1.1436836	4 4204033	0.044535	4 2077804	0 82956046
3-beta-hydroxysterod denydrogenase (natural)	1.0118423	1.0112442	1.0864149	1.0586573	1.047405	1,092894	0.9838504	1.0308443	1,0817986	1.07.2487	0.61904764	1 6728776	1,6617903	0.9157858
Phase-1 RCT-169	0.99874324	1.1302775	1.0221608	1,1331176	1.0322253	0.77114177	1.0613542	0.9530450	1 4460373	1 0120056	0.96117558	12368873	1,00115	1.2825346
Phase-1 RCT-197	1.07618	1.031227	1.0368139	1.105129	1.0986933	4 0489079	1,004174	1.0635649	1.0674654	0.95260113	1,2105337	1 2349437	1,1032833	1.520847
Phase-1 RCT-34	1.0703478	1.149350	1.4026551	1211088.0	1.1931604). Contract of	-						1	

Phase-1 RCT-72	-						7557		107	000	200			
	0.9685665	1,01911	1.1106812	0.9888034	1.0734684	0.8700177	1 081301	1 024596	87755835 0	88431764	0.9863109	1.0171237	1.1107763	,6613917
Pynyate kinase, musde	0.9579143	1.1109506	1.111045/	71545196	1 0299745 0	91077465 0	93980885 0	81410253	1.0257818	1,2229364 0	99369204 0	98893553	1.3144845	1285348
Phase-1 RCT-288	1.7885417	0.0330434	0567170	0 9676227	1 0276871	0.8971115	252520	1.0227119	0.8062424	0.7639501 0	72805834	1.175984 0	BZ653560 U	101111244
Phase-1 RCT-90	99855144	1.02/200	4 04 16873	0 710580	1 2580478	1,1286851	6984799	1.1627518	0.8030119	1,1665006	1.7792993	0.7387969	0.82125/0	007070
Cytochrome P450 2C39 (alternate clone 2)	73077673	0.002362	0.8596136	1,1428813	0.8149882	2 2774239	.5361506	1.7248677	.98446816	1.0127133	0.940553	1.2403619	7860496 0	32719963
Phase-1 RCT-290	1 0100064	1,0384493	8226	0.97886735	0.988565	0.8920115	3.8744071	0.9295409	1 12/3/81	1.10/2/06	1 0413845	1 2064013	1.9366018	2466009
Mathidand Cod recompes alpha	3,91608953	1.0756388	42	0.93754953 0	0.96249163	1.3237368	1.0180957	1.1323083	4 34 48406	1 1023024	99944955	0,9461883 0	88546044	2699404
Coorpuse P450 1A2	1,0317693	1,1253779	0.69636375 (0.87721384	1.119435	1.8004049	19341/56	1 3641728	0.8079396	78380426	90302014	0.54034644 0.90	90037745	.4766567
Phase-I RCT-297	0.857256	0.7769113	0.8385557	1.2328309	0.871/8/0	0.0596452	TYSPROR D	83576727	1 2398945	1.026554	0.9572493 (32288494	1,5530804	2.1417706
Monoamine oxidase B	0.84389603	8783459	0.5622413	1,012/868	0.9200100	4 made 186	0.8524471	1 2831188 (0.90465665	1.213958	1.1743749	0.8175561	1.3281856	.5429821
Phase-1 RCT-264	10445122	2000	7.00000	0.5000034	1 0803914	1 0839412	762590	0.9764356	0.8038329	0.8392525	0.8190694	1,058116	0.684222/	1000000
Peroxisome proliferator activated receptor gamma	0.822/503	701150100	3 5	0 081790144 0 92	1929737R7	1.0589373	0.9353315	1.0612357	1.0570742	1.0149227	37870725	0.7684421	0.3532024	01134310
Phase-1 RCT-143	0.90621090	_	2 0	74345034	1 0474768 0	0 92906006	0.98687065 0	0.99478334	3.98409057	1.0782709	1.1976483	0.6320063	179/B/84	0.0702000
Phase-1 RCT-251	1.03/6013	0.63663366	97948066	0 69209653	0.8245377	1.1734327	1,3318176	1.4197505	0.9929022	0.7194178	0.7288575	0.94449	1.31103/4	1.0702020
Phase-t RCT-117	0./859080	0.000000	0.0477963	0.5585236	0 8879217	0.8756441	0.8228411	0.9518716	1.1138438	1.4562956	1.6352435	0.911/0853	1,73830044	1,035/360
Glutathione S-transferase theta-1	1.11233/3	0.00/0/00	0.00177808	0 88063383	0 9046327	77016678	0.8826736	0.9294733	0.983387	1.0904893	0.8813726	1.0110503	1.33442/1	1.374
Phase-1 RCT-91	0.9503030	901027	98166865	0.84784085	1.1384698	2.155994	2.6422186	2.274478	1,117335	0.9591979	1.0234921	0.9569491	136303014	1 2821094
Phase-1 RCT-148	0 0326704	0 9173792	0.9760123	0.9061206	1.0099791	0,9813996 (.97327054	1,0004067	1.0030786	1.0923421	1,000/34	1 148508	10779343	0.6588949
Phase-I RCT-142	1 1252989	1.0658033	1,0069989	1,0505025	0.97307974	0.9576326	,90861595	0.9378112	1.0888703	0.8231380	4 404 4047	0 6832761	0 7169913 (93127525
Activity receptor type II	0.88816404	0.8255468	0.5799812	1.278719	1.0323545	1.1265494	0.9008507	0.9198426	1./00022/	4 305 1802	4 DRM 1-22	1 2437052	1.1045688	95198894
Gyane menyuanada	0.92551607	0.8676027	0.88646847	0.82171905	0.80652657	0.7843193	0.8774726	4 0467707	0.8685674	0 7399774	0 73322296	0.97452474	1.0645478	1,2029366
Cilian poursignation factor	1.0823574	0.9874101	0.8613983	1.0521608	0.92689013	0.9683436	1.0183114	1000/101						
Gap function membrane channel protein beta 1 (Gib1)					000000	4 204063	0 7853685	C1684847	1,3249205	1.7241348	1,4530041	0.9082143	0.80110574	1,0439236
	1.2441192	1.1272155	12368411	1.1596102	13332073	2230500	0.0569727	0 9868798	1,0435317	0.8598167	0.7976042	1.1298475	0.96824914	64548796
Phase-1 RCT-96	1.4591786	1.1512748	1.028/321	1.0785354	1,0313000	4 040B5R7	0 94835	0.8705846	1,1625185	1.1376208	1,0940928	0.8337989	1.0691193	91452944
Phase-1 RCT-287	0.9880351	1,0061791	1.146569	1.2208104	0.0601625	1 1321371	0.97615916	0.9632081	1.2948772	1.1427859	1.1453835	0.61856407	0.95044386	1,2281806
Retinol-binding protein (RBP)	0.8814444	0.86392085	0.85608963	4640030	4 24 5 B G G G	1 0417047	0.8207281	0.9382914	1.0620703	1,2444315	0.9159843	0.81734455	1.015261	1.145.54
Very long-chain acyl-CoA synthetase	1.0244628	0.3147528	1.0000402	0.6793854	0.8620726	0.9099306	0.8273302	1.0519733	1.1266096	1,2080019	1.4961856	0.8457689	1.0864886	1.4348332
Syndecan-1	0.7837006	1 40203	1 1609129	1.2018268	12717513	0.9760689	3.92158765	0.91256154	0.9500271	0.87383917	0.88396364	10//331	1.1940033 4 E002245	1 4789444
Stethmin	4 0004508	1 0504205	1 167288	1.0379953	0.983522	0.86911756	1.0793008	1.0745183	0.98034495	0.97539467	0.87600003	1,00/101	1 0349071	1733954
Phase-1 RCI-145	0 91229993	0.8834696	0.84142184	0.85291946	0.906725	1.1680366	1.1657894	1.0686374	1.050468	1 4400038	1 2083862	1 008035	1,5364267	2.0174744
Adn	0.94182655	0.8600115	0.9024392	0.8853068	0.9971068	1.001061	0.83765924	0.9565389	1.170331	0.00055043	0 9030064	12706072	1,3421962	2.957581
Mase-I Kul-os	0,96539074	0.93483865	1.0755188	0.9380012	1,0467066	0.8337493	0.9241457	4 0400056	4 2941414	1 0855992	0.9521127	1.1497104	2,000779	1.2809606
Saropassing remaining contents 2	0.9926317	1.0431353	1.1370115	1,1299165	1.1421741	0.9678952	1.1149094	1.0400620	1.30 1414	0 8714777	0.90830827	1.0133529	0.8772284	0.8086446
Phase-1 RCT-204	1.080614	0.9785676	1.0934997	1.1865572	1.0431378	1.0596333	1.0131337	1 1294988	13194877	1,565408	1,3292481	1.1812217	1.041523	0.8262642
Vescular endothelial growth factor	1,0468768	1.0014887	1.0833117	1.1891557	1.1240043	170000071	1.12121							7000777
NADP-dependent Isocitrate dehydrogenase, cylosolic	0 0400400	0 70077417	0 96306336	0.6466874	0,9313159	1,0383492	0.9655658	1.1109564	0.8840693	1.1318537	1.1169341	7356243	0.90436023	2 5284538
COLUMNIA TO THE PERSON OF THE	1 004627	1.2224158	1,5122073	0.8825123	0.8805306	1,3854092	1.1334296	1.7903568	0.6829602	1.0058595	0.87072300	1 0623698	1.0846813	2,9189487
Charleson Stransferson Va	0.9098135	1.0159463	0.82648504	0.6067466	0.83452773	2,2867239	2.7125468	3,4/19032	4 1505202	1 811484E	1.5257235	0,93738145	1.1178557	0.718617
Front & bydrase	1,2920175	1.2261273	0.7670069	1.0827416	1.2288755	0.9614744	1.0350707	1 000913	0.5346021	1.0329782	1,024572	0.7975005	1.270142	1,7114513
Insufin-like prowth factor I	1,0080794	0.74357575	13088425	0.59748659	0.8450.437	0.0554707	0.9607977	0.8050206	1,1142348	0.916883	1.298947	0.70016897	0.4789505	0.213999
Prostaglandin H synthase	1,0110462	1.355939	1.2417797	1,753/042	0.00000763	1 0240047	0.9228249	0.9964977	1.0835712	1.2528652	1.0293764	0.86100495	0.852609	0.6548808
Phase-1 RCT-138	1.1169652	0.981140	0.92301730	0 7454158	0 7454 158 0 84894663	0.8950817	0.8426532	0.94418496	0.91615	1.4085338	1247493	0.76087395	1.09/5934	4 4678387
Phase-1 RCT-137	4 4 264044	0 94819844	1 3090714	0.9423028	0.94184434	0.99640447	48516	0.99884534	0.9862039	0.88352686	0.92248905	0.85520	1 0324452	1 8200313
Phase-1 RCT-138	1 0160701	0.9036406	0.921943	0.7370271	0.8399832	1.0209647	0.85046095	1.0134978	1.1816171	1.553068	1.1068273	0.0000000	0 90715927	0.51409614
Hepatic tipase	1 0446073	0.9247614	0.907448	0.83954114	1.044502	1.0242915	0.9075062	0.9219807	1 1/92/45	4 3000 CA	4 2855456	0 946/0925	1.814629	1,5197601
Phase-1 KUI-104	0.9943841	0.98800975	0.9291389	0.9419383	1.0211908	1.1605383	1.0093411	1.0094050	1.374.2003	1 0523864	13716162	0.8362615	0.58164394	0.42120406
Charthione Chancienses Yb2 subtrall	1.048842	0.88905644	0.919629	0.6035312	0.633204	0.86697043	0.80304003	4 023928	0 98410763	1 0064602	1.007922	0.8960307	0.50724278	0.6222512
Carbony reductase	1,0279437	1.1512786	1.0153898	1.0996543	1.0029827	1.013/321	1.1 (9) 000	1 1207112	1 2309458	1.4288571	1.8351694	0.880097	0.6491306	0.5005575
Phase-1 RCT-166	1,0993955	0.8009707	0.8676583	0.69/41833	77269670	1 0307436	0.8199131	0.9616396	1.0672567	1,2165883	1.2918769	0.8166301	0.9461148	1,7098144
Apolipoprotein E	0.8140514	0.82977283	0.86391824	0.84397165	1 0444572	1 1561887	0.5682325	1.0533987	1,5931518	1.1759435	1,2585188	0.9870061	1.8569291	1.9828979
UDP-glucuronosyftransferase	1.162623	4 0358559	1 0537348	0.9055469	1.1667029	12358191	1.0496459	1.1787853	0.82794493	1.0453382	0.8257395	1,352,3837	0.6077158	0 896026
Glutathione S-transferase P1	0 8793580	1 1992842	1 4876375	1,120083	0.9278119	0.83496483	0,8380517	0.8479608	0.91806376	1,3556/12	7470000	4 4 193981	1.1454731	1,5005938
Disulide Isomerase related protein (1707.4)	0,998960	0.8180138	0.9995275	0.76229454	0.9664583	1,2417654	1,0427705	1.1031975	1.0610801	1 0389045	0.88367856	0,74190027	1.8088784	22599144
Centrolasmin	0.85973	0.9487627	0.9368325	12021339	0.93439645	0.92539734	0.721583	0.07301413	1 1922495	1 2695003	1,4311312	2.2986448	2,7580135	2.134179
Inter-alpha-inhibitor H4 heavy chain (Ilih4)	0.992252	1.1592327	1,2230135	1.4171104	1,059455	0.8000 loc	מיו זריינים	Overal						i

						0000000	20100120	02020406	1900649000	13000370	70307835	1 0608312	0.81503121.0	0.68404964
Phase-1 RCT-3	1.1255112	1.0515412	0.996927	0.98971903	1.0347658	4 4020075 0	BO834146	0 8558113	1 033427	1 19247	0.9655875	0.68178517	12713608 0	81055766
Fetuin beta (Fetub)	12590292	1.14140/1	1.1411850	1.1034237	0.30 103470	1 0064319	84104246	0.915653	1 1974235	10139643	1 2577696	0.9756588	1,4856888	2,7635386
3-hydroxylsobutyrate dehydrogenase	3.93209225	0.9681141	0.55396225	1,3570b32	40044004	4 025005	67445006	0.7150126	1 2000000	0 87858105	189120746	0,8249353	1220285	1,4289083
Carbonic anhydrase III, sequence 2	0.98049855	1.139637	0.91735053	0.91330105	0.7971021	1.000000	000141000	0.0000000000000000000000000000000000000	95007000	1 126907	1 0567356	0 9778742	1 2451808	1.8933307
Phase-1 RCT-10	1.0500709	1.1097152	0.9201093	0.71371615	0.9418059	1.0049903	0.8127405	1,000//414	2000000	1.120307	274077	4 2654624	2 2895451	1 7004103
Amba-2-micmolobidin	1.1659188	1.0518057	0.78931105	0.8757728	1.8752139	0.9600672 0	0.6/166933	0(00)///	133003307	0.00000	0.17 10121	4 0400000	PACALCON	4 000000
Doramio-1 (D100)	1.0457919	0.853344	0.87123966	0.96591604	0.93340147	1.0178275 0	0.75082713	0.9096634	0.9020028	0.7000000	0.7810007	0.0000000	20000	4769729
I vevi oxidase	1,0901119	1.1948873	1.0965843	0.926871	0.96291363	0.8962206	0.8066567	0.9390365	0.903/612	0.5544071	0.7320300	4 067000	4 8047740	2 7/88/7
Dhana-1 RCT-252	0.90097994	0.8283786	0.7509116	0.9594571	0.887598	1.0284978	0.80352	3,97538954	1.3146002	1,515,860	#12002£1	200000	1 200	4 26 70007
Phase-1 RCT-29	0.9267994	1.0952301	1.1107477	1.2808357	1.0037398	0.9782729	1.007867	0.9298879	0.9575503	120/05/	0.907.9037	1,000,000	4 2095005	0 9687049
Phase-1 RCT-278	0.8708686	1.0585848	1.2617831	1.4015757	0.84446985	0.8698052	0.8774198	0.8/69179	12013108	1.22.133.4	4 4574000	500000	0.0700188	0 7777126
Phase-1 RCT-42	0.9994421	1.0048711	0.8794656	0.9129947	0.96879506	0.9426738	1,033791	0.8864498	0.3886609	1.0397227	1.13/ 1000	0.3636105	4 0132475	1 5426656
Phase-1 RCT-25	0.94105864	1.0043999	1.009816	1.1634499	1.0808922	1.0182642	0.9778731	CD984896'0	0.3400024	0.8008/0	0.3124413	4 27/1/368	0 56053	1 1443754
Conclusion PASO 2C11	1.105071	1.0377443	0.94132656	1.174009	1.1235292	0.98635095	1.1828816	0.8379047	0.6838667	0.5610.3885	oncon/ccin	1.37 (4300	0,0000	20000
Phase-1 RCT-202	1,1073085	0.997547	0.92809147	0.86694455	1.124302	1.0272007	1.0935372	1.1563234	1,334259	1.05/4105	1.32:2408	0.7333809	4 0101010	4 420000
Complement factor I (CEI)	0.883566	0.9053372	1.0586721	0.88867897	1.080179	0.82907957	0.9704127	0.99723566	1.1041807	1.1597195	1.2826049	U.S.C.S.S.C.A.	01018/01	7 0024000
Omiteration cell michael antions dene	1.2976757	0.99954134	0.9725171	1,0424138	1,0504996	0.9029927	1.0552375	0.9963119	0.98162	0.733045	71808716.0	0.8370070	70000000	1.007 1650
Activation transcription factor 3	12216127	1,0438858	0.9382019	1.0266302	1.140475	1.1268996	0.9459148	0.995845	13/28	0.91009116	8108106.0	1.1090216	0.80333744	4 0764066
Foral achieson kinase (mo125FAK)	1.0716922	1,0693499	1.0599475	1.1384406	0.93180823	0.99156624	1.0257202	0.9959123	0.9096544	0.81725645	0.8633012	0.1017170	0,5020300	494044
Dham 1 D/T 280	1.0124767	0.86051154	0.86552477	0.7888005	0.9560064	1.1264015	1.0624944	1,0771321	1.0667849	0.9632767	TOSS SECTION	0.000133	1.0041333	010101
711836-1 NOT-203	0 95650746	1.0621017	0.99919707	1.0271875	1,0589101	0.9161244	0.9359064	0.9902629	0.842728	0.8935178	0.81733334	1.0504586	0.88263806	39/034400
Tieser I Not 200	1 0796946	0.8374215	0.90135336	0.9034723	0.98537314	1.1328592	1,0990165	1.0408896	0.97369146	1.0525795	1.2087111	0.71442103	0.6698155	1.086/5/2
INCHESPONSIVE GENERAL-UNING PROCESS	4 4245328	1 1557309	1157107	1 2515545	1,1741903	1.098581	1,1168116	1.2572243	1,4629936	1.2983035	1.1754553	1.0189772	0.5579769	32741746/
MHC dess I angen KI 1.A1(I) apna-diam	0.0000000	0000000	A 5003457	4 DESOAR!	1 1107402	1 045211	0.8093124	0.7078792	1,1861081	1.1062303	0.9447539	0.9397628	1.6227171	1.91783
Any sulforransferase	0,01000/03	4 4070407	100001	8001100	0.07260463	0.9133789	1 2251418	0.988967	0.94258916	0.8879065	0.8938106	1.1766979	1.4968923	2.1636088
Phase-1 RCT-171	1. LEBONSI	1.12/210/	1,0003401	4 4000045	4 05/7796	900000	0 03540005	0 9018386	0.9151118	0.7285564	0.7513118	0.87711054	0.7755884	1.1275289
Phase-1 RCT-83	1.0935851	1,2062595	1.3063931	1.1003013	1.034/330	0.0003400	CONTRACTOR OF	0.0728463	1 1021551	1 0800492	1 227 1212	0.5284225	0.849377	1,4045017
Phase-1 RCT-270	0.9269268	0,67644566	0.87200433	0.5426679	0.83624/44	0.9007168	0.8223022	1,0100100	4 2474076	4 004705	1 2002251	0.75224483	O PH 72666	1 0836971
Colony-stimulating factor-1	0.8333523	0.86047816	0.90312374	1.0040697	0.93967444	0.98766387	1.0285834	1,049705	0/86/07	1.001/03	A POBAGEA	0.0324-000	4 4451495	79384603
Neatherin	0.8906905	0.87417144	0.9412904	0.70641625	0.9177978	1.17396	า.ยรานรถ.	1.1338382	1,00stor.	100000	1,000	1 230024	4 0075000	20788732
Phase-1 RCT-62	1.1400456	0.9399628	0.9150455	0.8459874	1.0153512	0.92960835	1.4909532	1.0392156	0.9/612536	1124011	1.11301	1.2/32/14	1.00/ 3032	4 4004 53
Phase-1 RCT-22	1,3048704	1.0826967	11,0221202	1.1186252	1.0529658	0.94321084	0.97545636	0.9580822	1.1032698	1.0202047	0.97.39001	0.0097.909	00300000	4 2000040
ΔΤ.3	0.99792784	1.0514518	1.0863788	1.1334628	1.0761588	0.8829327	0.9971089	0.841878	0.7546564	0.6480/15	0.69092756	1.1700371	0.3002430	1.20.0031
Obsect DCT-18	0.9876105	0.9615613	0.9981352	0.95618004	0.9626559	0.93787795	1.0430925	0.971598	0.8997127	0.90692365	0.6260054	1.182/03	03/0/4143	207120
Dhara 1 DCT 133	1.1015273	1.0274695	1,0060921	1.1269206	1.0010532	0.93011564	0.9754632	0.9480589	0.9332281	0.8345833	0.8444103	1.10/8539	0.0490007	0.0039102
Present PCT-66	0.875065	0.7027692	0.94018656	0.57276934	0.89671284	0.79926306	1.0258198	12551723	0.9857626	1.0508499	1.198/83	CORLUNCTO CORLUNCTO	0.00000000	1.1301103
Centhrative nitrohenzy(fhichnosine-sensitive											2000000		00000000	73677FB-34
Androelde transporder	1,0815241	1.0199038	1,1636413	0.78302145	1.0948238	0.7882011	0.8990167	0.9757893	0.9757606	0.7594205	0./922835	0.7922835 0.68628067	0.00253130	20004317
Choose transmiter 2	1.0357417	0.886049	0.91572344	0.57565635	1.0587273	0.8546086	0.91669226	1.0737063	0.9405941	1.120865	R/QCMT	0.88030	1.2711430	5.5001514
Muttiday resistant protein-2	1.0367203	1.1520408	0.9372358	1.1446596	1.0441035	1.3964754	1.0987978	1.1278445	1,701/73	1,5038353	1.4532501	0.01030333	0 706134	O ARMARRA
Middle or resistant contain-1	1.0331692	1.1845578	0.97994506	1,3387098	1.1052221	1,3485376	1.1123409	1.0942367	1.6896898	Terecor.	1,444,2833	0.000,000	0.730134	0.4004002
Phosobalicklethanolamine-binding protein	1.1021292	1.0196017	1.2827761	1.173251	1.3454303	1.177414	1.1105839	1.1536124	1.499731	1,3318163	1.2388368	0.92/5906	0.0030434	4 0744469
Phase-1 RCT-180	1,1782818	1.0715142	1.0131768	1.08467	0.9655837	1.0246562	1,155513	1.2219911	1 1793339	1.590936	1.3561301	1,0131330	0.810/4/04	0 3834193
Integrin beta-4	0.9919039	1.1145676	0.97542375	1.0723611	1.0256404	0.9716388	0.99242413	1.0336035	1.1493023	1.4233073	1,3030303	0.0000301	A ECOCOSTA	32705256
NADPH cytochrome P450 axidoreductase	1,2390789	1,2097837	1.1309255	2.0178387	1.244764	1.1787274	1.1013606	0.8858/5/6	1.3/05043	1,07,0430	0.7400000	000000	0 0043518	0 82718074
Waff	0.9573199	0.99717546	1.0836685	12161654 0.918	0.91893137	1.0527788	1.0123835	1.0547739	4 2575420	0.3300432	4 2505265	0 0650303	0.82100075	0.4862801
Endogenous retroviral sequence, 5' and 3' LTR	1.007221	1.196574	1.1291857		1.0501156	1.0554624	0.000000	0.3020330	4 0727082	1 2070479	1 1028118	1 2054082	1.1704913	1,1970396
Phase-1 RCT-53	0.8386084	0.9001691	0.91306883	0.83416796	0.93/82/6	0.88/3000	1 0824073	0.93301200	0 99964244	0 8482798	0.8359673	1.0479026	1,0528313	1.1802405
Phase-1 RCT-54	1,0364/92	1.044436	0.97263413	00000001	4 0005064	0.0570730	0 9707284	0 9021887	1 207825	1 4018205	0.97511643	12158974	0.93190175	0.61527836
Phase-1 RCT-240	1,0258956	1.0248436	0.9731736	0.91023463	1.0025274	0.0010132	0.00131201	0 8136156	0 99081268	1 077524	1.0523809	0.79544324	-	1.2285591
Ostecpontin	0.90038085	0.87524486	0.9707297	0.9629167	100001	0.03/3/0/3	0.9203707	0.0135130	0.9583633	10169419	1 4914904	0.6851152	0,6517354	0.5482982
Organic anion transporting polypeptide 1	0.974068	1.0562625	0.99753555	0.3003220	4C710071	0.04003020	0 9582675	0 92959464	0.96714216	0.9111659	0.7889937	12643011	2.7604027	0.9780865
Phase-1 RCT-241	1.2811314	1.07/9583	1.043/5/4	1.0044/4/	0.0111464	0 R3443R5	0.8774154	0 8930432	0.8033148	0.7129249	0.73969537	1.0657197	1.0454788	1.063284
Tissue factor pathway inhibitor	1,060084	CEROSIT!	1,002001	740114	2011	2000								
Cyclin-dependent kinase 4 Inhibitor PZ/Kip1 (alternate	0.0841989	1 2805360	1 4951403	13027867	1.3690239	1,1851083	1,4704098	0.9061424	1.0521194	1.1297578	1.0062312	1,5212133	1.6894526	2.205837
Chorateliane D	1 025933	1.1085601	12702773	1.1152711	1.0959775	0.8838581	1.0964291	1.0535481	0.8066807	0.6604402	0.62775666	1,6527301	0.65833708	0.4591811
Division of DOT 30	1,1153501	1.136827	1.1248484	1.1242726	1.1518168	0.94532	1.094235	0.95828146	1,5732453	0.9921072	1.0030366	12102866	1.14//08	0.35070704
Diese & DOT 360	1.0828149	1.0147691	1.0206352	0.96868086	1.0302831	0.90021604	1,0589659	0.9841053	0,99657077	1,0068959	0.9125376	1.0610163	1,692,582/	2000
Press 1 Dr. 113	0.979045	1.0303754	0.9653312	1.094527	1.0633368	0.94305235	0.8483693	0.79348165	1.024058	0.8809653	0.98676167	1246247	2,1660657	0.93442976
Admin and as Basiles for	0.9873231	0.819044	0.98833483	0.5708459	0.9772147	0.8519095	0.8947532	1.032065	0.95600206	1.1808479	1.5678787	0.720/2077	0.66418576	0.6549599
Abba-1 and olymentein	0.80415475	1.2347512	0.64121145	3.3349697	0.8323921	0.93272346	1.0915381	0.75348055	1.7623014	1.0746647	1.1140089	2,0916042	2.0403413	0 5070433
MATC class II antion RT 8-1 behachain	1,323445	1,3915243	0.76668334	12179396	0.8400774	2.312535	0.84292275	1.0619828	0.7963871	0.7099969	0.6045688	1.0265507	0,55190364	0.507.21301
MIN TO THE PROPERTY OF THE PRO														

	1000000	1000000	4 004 3057	4 AC4 30 E7 A G747553 A G7050704 A R2546043	A 07050704		0.9723788	1.0280194	0.94792837 1.0026063	1,0026063	1.0922375 1.0792694	1.0782694	7,023432	2000120
	C69505037	20000	1.0013004	1.0613627 0.0647E007 0.0630608 1.1225974	9800000		1 0584228	1.0173577	0.9949575	0.79687685	0.9949575 0.79687685 0.85780054 1.0928619 0.95153207	1,0928619 (0.95153207	1.6740686
Hypoxia-Inducible factor 1 alpha	1.3835891	1.1351456	- 1	0.901/392/	0.3020300	10000000	0 07454737	_	1 1834539	1 260386	1 260386 0.95253825	1.180338	1.0027952	0.652647
	0.97141445		- 1	1.0909464 0.92266643 1.0410969 0.92364261 0.3/104/3/	BORCL POT	0.92324201	4 00705A	0.0547071	1 0808234	0.9754869	0.9754869 0,7741101 1,3209988		1.3041979	1.0019686
Phase-1 RCT-45	1.1302125		1.2645353	1.1742015 1.0744/08 0.36226245	1.0744/08	0.86226293		4 00000406	4 0054068	1 225113	1 1820228 0,67070204		0.9448764	2.2707787
Matata dehydrograse cycsolic	0.9029455		0.8872101 0.90632665	1.0467836 1.0026248	1.0025248	1.0853082	0.872780	22000	1 0305671 0 BS087855	O BRORZESS	1 0817927	1.036571	1.4082826	2,1034048
	1.2346978		ı	1.2093966 0.68746114 1.0111299 2.950529	1.0111299	2,950528		4 0443622	4 224R3RF	1 1464561	1,175968	1.0538962	1,6004895	1,6872063
-189	0.96145666		0.8703954	0.6014326	0.8960850	- 1		20,754.25	1 0475475 0 96821713 0 88041218 0.78314435	0.88041216	0.78314435	0.958225	1.4066652	2,0060618
Alcha-fetoprotein	0.9538641	0.9818583	~!	П	0.91845/ 0.92135084	1	1.0150034 0.510117	1 0522873	1 0522873 0 9942714	1.1327627	1.0551983	0.8535392	12305225	1,8258922
Calgrandin B	0.9438725	0.9438725 0.84616774	- 1	0.5683775	0.6893775 0.9240711	- 1	100000	0 9726788	0 9726788 0 9410544	0.932172	0.932172 0.83464694	1.0410918	0.6481482 0.95121306	3,95121306
Tissue plasminogen activator	1.0078408	1.0078408 0.97852504	- 1	0.92853516	0.937/1843	0.9050547	0.89177843 0.8000341 0.80010004 1.011913 1.042815	1 1211913	1.042815	0.984378		0.83000376	1.2269715	1.224135
Phase-1 RCT-195	0.9700209	0.9700209 0.91343904	- 1	1.0818069	1,0201724	0.97870347	A CASE A D CO 1047 1 1214213 0 7980037	1 1214213	0.7980037	1.4266878	1.5842744	0.947571	1.5920804	1.0934487
Liver fatty acid binding protein	0.9205608	0.9205608 0.932044	1.1412212		100000	4 0667000	1 0667003 0 0100067	1 112637	1 112637 1 209399 1 2914137	1.2914137	1.3930626	0.8528831	0.9766088	1.2694168
Alpha-1 microglobulin/bilkunin precursor (Ambp)	0.9742871	0.90167385	1 0906003	-1	0.5000.0	20000000	1.86351997 U.3063401 1.033108 O.3745100 08535186 0.85009973 0.7502413 0.74583334	A 08535186	0 82009923	0.7502413	0.74583334	1.0757356	0.7665599 0.81872517	0.81872517
Phase-1 RCT-294	1.0151877	- 1	1.013942 1.01166/1	1245004	1,0140073	4 0433055	4 0433055 0 0818377	8698260	1.1738961	1.1798861	1.081436	0.7999114 0.79845023	0.79845023	0.6251235
Phase-1 RCT-151	1.05751	- 1	1.0351616	1,0283045 1,0351616 1,3274069 0,85070350	0.500/0330		0.0003453 0.0006374	0.0617409	0 0617409 0 9464482 0.77939343	0.77939343	0.7615196	1,5356904	1.4895729	1.761124
Phase-1 RCT-159	1.1122077		- 1	1,135526	1,135526 1,001/313	0.9000130	V.3000511	7678605	n 7638605 1 0384121 1.1359934	1.1359934	1.0450308	12387897	1.1090978	1,2215436
Phase-1 RCT-221	0.8765698	- 1	ı	0.9371884 0.85583746 0.9508656 0.96503722 0.85635379	0.9508650	C2/505050	4 0047228	002716354	1 1598161	1 1598161 1 2761374		1.173002	12171423	1.2192682
Phase-1 RCT-235	0.8343759	- 1	. 1	- 1	0.9035988	0.9340324	0.5035566 0.555654 4.6566547 0.666738	0 0005739		0 8114621 0 96690357	1	1.1463015 0.8599938 0.89994216	0,89994216	0.92636
Organic anion transporter 3	1.0307689	٦	- 1	- 1		0.8949744	1.2061173 0.8949744 1.000045 1.000045	1 0406342	1 0934616	0.9468756		1.1787173 0.89020824 1.0564856	1,0564856	1,2098839
Mairix metalloproteinase-1	1.0215379			_1	1.1142039	1.1503271	1.0842026 1.1142639 1.1363271 0.30102343 1.3030274 0.5942265	A R099774	0 59342265			0.7797665 0.8769427	2.0471814	2.6209462
Urinary protein 2 precursor	0.90821314		- 1	_1	0.95404164	0,00000	4 446263	4 4241823	4 4241823 D Q4405484	0 9722207	0.958231	1.046214	1.046214 0.81557184	0.7014004
Phase-1 RCT-212	1.0348009	1.0131453	1.0594159	0.9069422	1.0485423	1	1	1.1271000	100					
			-											
(1) Gene expression data for 6 hour timepoint are							-							
presented as mean ratio of treatmen/control vor all o														
(2) Compound and dose abbreviations as in Table 1.														
			-											
(3) Individual animal number														
(4) Liver inflammation dassification for compound-														
dose group at 72 h: yes-necr, necrosis observed; yes-			_											
both, necrosis with inflammation observed; no, no														
histopathology observed												_		
(5) Predictive gene (as in Table 18 and as included in			_											
Table 26)														

Table 28. Expression Dala for 6 Hour Timepoint (1)			-											
\top	24040	24 04 2	- av 040	030 6 1000	03661013	0 056 F FOHO	005 8 1000	e ac HO	8 80 110	CHI OR 8	CHI OR 30	CHI OR 30	CHIOR 30 K	CIS 2.5
Ī	851	852	653	1621	1622	-	-	₹	42	8	1-1	2	m	321
Liver Toxicity Inflammation Classification (4)	30			9	2		2	2	2	2	٤	٤	9	٤
Gene Name (5)	0.000000	0.0007400	4 2202034	4 646746	203622	1 0477236	9 7368174	0 R7215R4	0.8320085	1.3132583	1 9643286	1.6275401	2.8506594	2.8488114
Gadd153	1.2246268	1000000	1.2502046	1.1471001	1.0448989	1.0678427	1,5527178	1,2702795	1.1154865	1.1477782	0.97935295	0.9786103	1.3718704	1.0481455
S-m/c	1,0891727	1.1847197	1.1106578	1.5296278	12490377	1.2753673	2,9705229	1,237,1854	1.0750235	1,0278102	1.5680552	22539408	1.5709214	1.0552783
NIPK	1.3981199	1.2716104	1.4406834	1,5155158	1.2350659	1.3266516	2.5291088	1.2752138	1.2523881	1 4276234	12224103	1.4314497	1,2301588	0.9326266
Cathepsin L, sequence 2	0.76502664	0.9941311	1.1112007	1.8517196	1.2871497	1.9157559	1.7415808	1.0761861	4 2974754	1.1340/62	1.4511142	3 011199	1 6085197	1 4192125
Heme oxygenase	1.0759474	1.1849327	1.1638148	4 0217818	0 9718144	1 090925	1 1919981	0.853956	0.9439678	1,0050579	0.9388721	1.3749607	1.1796324	0.9675121
Phase-1 RCI-109	1 0178851	1 074120R	1 2102497	1 0049427	0.9470754	0 8861446	1 2942538	1,5096303	1.461624	1,181945	0.94014627	0.8818827	0.90634906	0.99841326
Amhinosuccinate luses	1 0036882	1.1576478	1.3805453	12380421	1.6035173	1.6042439	1.17999	1.1209998	1.3475709	1.3765392	1.18493	12778687	1.1076013	3,78976946
DMA polymerses beta	0.7325301	0.7511583	0.9815709	0.970241	0.91335386	0.9931807	0.99685717	0.5155418	0,58463067	0.8761027	0.85392107	0.657742	0.6915228	1.1173525
Phase-1 RCT-103	0.94282407	1.0324522	1.1805699	0.9076754	0.9186622	0.8568455	1,2299119	1,5225085	1.5145743	1,2692101	0.9867463	0.9210454	0.92324456	1.0330869
Ribosomel protein S9	0.7341334	0.64787567	0.9351908	0.8347142	0.92728883	0.84971064	12113669	0.7772245	0.93423176	0.75185543	0.7427187	0.7119403	0.8308975	12514929
Phase-1 RCT-114	1.1134564	1,0790167	1.0926919	0.8987094	0.9354573	0.8976119	0.8257824	0.8209897	0.97024596	0.8783558	1.0099049	1.0190698	0.97242934	1 294203
Phase-1 RCT-15	1,378844	1.5423017	1.4481926	12144095	1.205564	1.1498176	1.0040804	1,4193161	1.3934/UB	1.0021/	1.210/80/	2 5194697	2 5560973	2423721
Macrophage inflammatory protein-2 alpha	1.10924	1,2013862	1.4419484	1.3094003	JOSOCKO'1	1.1500002	1.2263301	1,1000402	1.5004417	1.1662.32	2000	10000	-	1
NGF-Inducible and-proliferative putative secreted	0.65953874	n skastma	0.7303819	1 0082159	A ROADORR	1 0879629	0.95876583	0.87956864	0.8700013	0.96838397	0.73189485	0.9516211	0.72279626	1.2850078
Dence 1 DCT 101	1 5564907	1 2228559	1 7890383	13134452	1.1801891			0.66322666	0.77428645		1.018072	0.8261729	0.68360233	1.352672
Phase 1 PCT 63	1.0281276	1.03634	0.8669676	1.4520683	1,0371677	0.95737857	1.0867183	1.9223026	1.86931	2,1661584	3,277154	3,5295904	3,3671603	1.0782061
Codio D3	0.90192187	0.88228124	0.9604874	2,300096	0.7981286	0.8426318	1.703938	1.2450339	1.1096371	1,5092151	2.276403	2.5738902	2,704,7586	1,3599709
Phase-1 RCT-108	1.0166055	1.0656646	1,1723014	0.8693087	0.9294485	0.9214707	1,3374648	1,0835205	1.267471	0.9297033	1.0723084	0.8275963	0.8051817	1.0804023
Phase-1 RCT-56	0.7681531	0.90571856	0.8243298	0.83943834	0.9573375	1.0971218	1.0538449	0.41489595	0.32100588	0.540763	0.6553698	0,5306768	1.3682059	1.1782441
Phase-1 RCT-192	0.88038	0.98646975	1,1493315	0.9103329	0.99673223	0.87865347	1.0011171	0.95727587	1.0377082	1.116313	1.0614257	1.0171785	1.1568856	1.1525398
Phase-1 RCT-75	0.81956	0.9203378	0.94251287	1.3855288	0.8913118	1.0239129	1.0770934	1.1893619	1.1610053	1,0884984	1.059851	1.0045828	0.9392559	1.1481729
Acetyl-CoA cartoxytase	1,0308716	0.83551186	0.7546511	0.809708	0.0167129	0.8775639	0.88965136	1.1754372	1.22/5119	1.251747	1.0627426	1.1022869	1.0763086	600000 P
Phase-1 RCT-95	0.98560953	1,0307559	1.1000048	0.9369585	0.96538675	0.8523//9	1.2/836/1	12002042	1.18/4212	1.0/0.00	0.07 11 700	0.0100103	4 0425748	4 044 4 ORB
Cystalin C	0.9849199	4 0595044	0.85808223	1.195442	1.06/36	4 38384034	1.1321435	0.00569675	1 1 1 RAMZE	0 9504543	1.084894	1 0051283	1 0952318	1.1647036
Phase-I RCI 49	1,100001	97953046	0.1200230	7940197		0 90951487	0 72890705	0 9020041	1 2341597	1.1574643	12312185	1.4095659	0.80774707	0.8392325
Caddas	0.8816645	0.90089515	0.812503	1.8503075		572	1.7833834	2.1538591	3.0108783	2,1356769	3.687135	4.3110094	5.290954	1,3367518
Phase-1 RCT-158	-	0.9954117	1.1098264	0.90510476	0.93067425	0.8807988	1.2394832	1.0423326	1.060436	0.97432244	0.8655971	0.791968	0.9083117	1,0309839
Cofflin	0.90854806	0.852205	1.0534947	0.6219162	1,0680226	0.90140253	1.1032271	0.9154886	1.0152402	1.125593	0.9305383	0.99913365	0.83709725	1.3815873
Phase-1 RCT-127	1.0937527	1.1828607	1.1185426	1.6227692	1.1619661	1.3927568	1,500424	1,0434759	0.91217	1.1790904	1.0916244	1.193346	1.3630885	12/42618
Macrophage inflammatory protein-1 alpha	1.4175925	1.2782801	0.9631984	1,3797879	15101262	1.1418/8	1,050407	4 0452407	1 0814380	1 0481242	0 84255594	0 85352	0 85342795	1 1352558
Zinc finger protein	1.0865802	1.103625	0.94608545	1.679381	0.8383152	0.83912855	0.8398628	1.197748	1.3256644	1.2902198	1.152171	1.0634649	0.91585183	0.8070951
Citation and belose	0 6528148	0.56902945	0 9798326	0.6682612	7	0.868267	0.87895967	1.1746923	1.0122482	1.0133481	1.0876803	1.055616	1.156103	1.0742822
CAb hading periods	0.80727553	0.75068885	0.813801	1,4916167	0.6459789	0.6954152	0.79937273	1.1850541	1.1664581	1233799	0.8938183	0.8018568	0.933904	0.85254616
Phase 1 RCT-242	1.3688867	12780957	1.0042795	1,5626116	1.1540312	1.0435572	1.2026746	0.8270812	0.8931469	0.7376085	0.99135345	1.0252755	1.0009165	1,5575988
Phase-1 RCT-50	1.202367	1,2890792	1,1351724	1.2189993	1.1384875	1.0837743	1,2461538	0.9782083	1.0855274	0.9431125	1.0755401	1.1447283	1.1445996	1.1174988
Elongation factor-1 alpha	0.79609543	0.7539177	1,0056561	0.94428396	0.9122947	1.1391783	1.147543	1,3263549	1.1669997	1,3890283	0.9479592	1.037878	12201952	1.003/752
Integrin beta1	1.030491	1.0791886	1.2620445	1.6348858	1.7152888	1.4879615	2.1998462	0.98758763	0.8914644	1.652007	4 2395997	2.904533	4 5070747	4 4075055
Insulin-like growth factor binding protein 5	1.2746615	1.2748039	12371931	1,5796949	1.1233504	0.9386792	1,0503732	1.401/192	1,361562/	0.06738587	1,02597.03	1.706130	1 1524539	1.5674758
Phase-1 RCT-59	1.6561818	1.454.2415	1.141/861	1,5161190	0.0704784	0 0020/40	1 4237363	1 589631	4 49680R5	1 1222421	1 0513434	0.94183534	0.9526343	0.9845017
Hassel RCI-76	0.7373654	0.78634053	4 0734377	1 016803	0.7542942	1 187773	1 0238459	0 92223	0.95956045	1.13628	0.96779484	1.1391671	1,4343405	0.87942684
Colonomitain D	0 78031486	0.7642864	0 89771354	0.61173064	0.7433949	0.825286	0.70782405	1,103384	1,2910308	1,4838573	1.1844256	1.0415627	1.2144527	0,97692454
PTENMAC	1.1964878	1.1387104	1.1796491	1,0095509	1.0642722	1.0763848	1.0832855	1.0392574	0.93531907	1.2583579	1.1401237	1.0498711	0.9563249	0.8753091
Phase-1 RCT-214	1.0126282	1.0271447	1.205471	0.92668635	0.9358127	0.73037773	0.690338	1.0903677	1.1875656	1.1366471	1.1611977	1.1408759	0.8960642	0.87483346
Phase-1 RCT-112	0.8890279	1.0117204	0.7148385	1.178742	535	0.91534525	1.0349215	1.7406838	1.8159626	1.3983512	1.1102444	0.895/7895	1.0146359	0.7864762
Thymidylate synthase	1.1583618	1.1121128	1.0964017	1.1336917	0.8667154	1,0024775	1.1142136	1.2201033	0.835/660	0.8369/790	1.1650/30	0.04204043	1 0375554	1 222230
Phase-1 RCT-13	1.2910928	2.0650654	10617808.0	0.6549626	0.7222036	0.340315	0.73703344	1 0993706	1 8725564	1 2100004	1 4301475	0.99126047	0.87318856	0.729894
Cholestem! 7 Alcha hwtmwiasa (P450 VIII)	0.956729	1.1698875	0.8348938	0.8170714	0.6214194	0.74486357	0.6468221	0.89352673	0,99141353	0.8918626	1.040704	0.9511864	1,0649444	0.48339888
Vestcular monoamine transporter (VMAT)	1.2042606	1.2562148	1.0212178	1.1228423	1.0713283	1.0328276	0.81123275	1,1113336	0.93849754	0.9807245	0.7745359	1,0937743	0.8932806	0.9244188
Phase-1 RCT-260	1.1162526	1.0974613	0,89906836	1,0498264	0.9689748	0.9689748 0.90759724	0.86440894	0.8359804	0.7110251	0.63605934	0.79424375	0.8397519	1.1128122	0.587365

The control of the							1000000	2404044	4 0477754	4 2013027	1 0755236	10185845	13141589	0.9188876	1,0502914
Control Cont	nase-1 RCT-32	0.9765954	0.9935358	1.0687232	0.5271179 0	72256464 0	0.07193214	9849749	0.7673243	0.7910786	83523303	1.1441675	1.1511111	1.2769445	1,076412
Control of Control o	aroxisome assembly factor 1	1.141516	1.0456965	1,331//81	0755274	0.303304	8669975	9963863	1.2477132	1.2628317	1.3998804	1,2313519	1.1952983	1.3921142	1.0041099
Commercial (1977/10) Commercial (1977/10)	oxoguanine DNA glycosylasa	1.0/13483	1.1141223	0.0104282	04677364	0 0775212	0 97824	0.877224	1.0727274	1.0077637	79405135	1.0103595	1,0150058	0.9358118	0.9103996
Commission Commission Control Commission Cont	ase-1 RCT-82	0.99012923	202707	0.2789843	97357654	74574697	1.0244839	0.7666476	1,3281865	1,3104578	1,3659061	1.0541829 (0.90090686	87839675	0.6822251
Contract Contract	atrin F/G	0.03/3404	0.1101102	0.0008175	9622220	91579914	0.9279619 0	92407143 0	90124875	0.8397345 C	0.865863355	0.7399369	0.6868308	0.7538614 0	36331323
Commission Com	ase-1 RCI-184	0.00300020	0 718448	91450874	6079588	-	72309303	0.7969258	1.1398344	1,2306873	1,0887958	1.0488372	3217925	0.854/466	66527354
Chargest Chargest	ase-1 RCT-168	0.56885645	79779637	0.4444278	1 1775827	1.5250154	0.9430978	1.0476298	1.8847816	1.9680895	1,5405396	3268	0.8815578	1.0061892 0	304036
Contributes Contribute Co	tase-1 KCI-113	1 0207461	1.0188145	0.8492088	.93617713	0.893826	1.0087091 0.	97165173 0	72265494 (.86750823	0596236	38616	0.9132500	0.0000323	1 187 1979
1,110.5510 1,10.5520 1,1	andonic Billydiase in	0.78154635	0.818873	0.7946968	1.0855227	1.0740151	1.0610945	0.8214706	1.1305271	92482783	2220000	0.0077000	06104255	1 0990123	0.891835
1,205.501 1,205.502 1,205.502 1,205.502 1,205.503 1,20	1946-1 RCT-71	1.1963665	1.2169597	1.157805	12167754	1.2744727	1.4593581	1.1782391	0.830979	4.0406464	0.050200	104217426	87674165	1.1014341	1,3035247
1,319.56 1,300.79	1ase-1 RCT-179	1.1183518	1.1392597	448033	1.0510439	1.1152711	1.1304893	1.4103645 0	78180510	1.0400401	D P6596787	90996068	0.92385095	0.8339379	0.9398942
1, 1, 1951 1, 1, 1, 1952 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	nase-1 RCT-161	12625333	1,2073402	421533	54722287	0.6981513 0	00007757	4 4509576	0.0344777	0.9661515	0.8926531	1,0364114	1.0625196	1.0972998	1,3269562
Colored Colo	pase-1 RCT-207	1.5319546	1,3697967	1,3585191	1,565766	1.6328045	1.500.041	1,4380013	0 8180647	0 9444373	0.9492301	1.0196669	1,0409471	1.0936794	1,4811122
Company Control Cont	hase-1 RCT-144	1.045583	1.0285572	1.4272898	1.3024839	1,0292/2	1.28545444	1,0411103	7431795	0.6378572	0.6402514	0,69479674	0.68456227	1.1247225	1,2019472
Company Company Company Control Cont	hase-1 RCT-226	1.9433713	1.756609	1,554,3699	1.3099439	1.3//14/0	12313496	7064388	O ERECTED	69643307	0.45937642	0.5667268	0.5373628	0.8894759	1.1737031
1,27,5581 1,18565 1,1871 1,18565 1,18572 1,18565 1,28572 1,2	Mochrome P450 2E1	0.68671435	0.94885576	0.8184055/	79/18190	182/30001	10070407	0.100100	1 0050811	4 009092	1 1625088	0.9680634	1.0269444	12747144	1.2996411
0.58000880 0.52000880 0.5	X	1.3212638	1.1135905	12173277	1.088379	1.0955694	1.08/842/	4446900	A70757074	0 8554814	0.9188081	0.95071054	1,0051847	1.1137342	1.0569836
1,054,425 1,154,996 1,454,996 1,454,996 1,455	Naredadn-1 (Trx1)	0.78709346	0,73967918	0.9447732	1.1122036	0.3040526	1.0314409	18811588	0 5921557	0.8121011	0.50989618	0.37300512	0.25124756	0.24674235	1,690513
Contribute Library Library Contribute Contribut	arbonic anhydrase III	0.6906969	0.63346505	0.4306585	4 0005016	1 0089074	1 0047368	0 97959721	1.1218216	1.0880705	0.96740574	1.1693003	1.1287413	1.1103021	96351254
Controller Con	hase-1 RCT-140	1.0544251	1.1034530	0 6594487	4 4470657	0.654.70405	55695313	0,7449023	1,4770243	1.626898	1.708508	1.0077742	1,2969205	-	1.2837081
Control Cont	complement component C3	0.61330146	0.56074963	0.0001407	0.6958354	0.6675334	58274126 0	89208345	0,882147	0.77815014	0.65435094	0.61172915	0.72673666	0.7566555 (97883075
Control Longistic Longis	Aucoldinase	0.63623565	4 0608508	0.43022020	1 1722472	13169651	0.9286461	1,0569724	3.88384056	0.9157706	0.79854673	0.9244243	0.8900832	0.89808494	0.9696882
CONTIGNO O.G.	hase-1 RCI-1/3	1 0614316	1 0816694	1.0342919	1.0867547	1.0570261	1,0162035	0.9724375	1.0053837	1.005991	1.1368607	1.3501028	1.2921016	1.2632618	107710.1
Control Cont	metrylagerine DNA pycusylase	0.7015513	0.7502904	1,0430362	0.77763265	0.9754915	1.0788783	1.0161079	3.90688086	0.9705853	1.0268742	1.0/8/603	0.9120426	1.0402370	OODEAGE
CONTIGURATION CONTIGUENCE	PODSOTER TRANSPORTED COLYME THE TANK	0.6229137	0.6459498	0.6521928	0.7296857	0.70675737	0.8118471	0.6822185	1,0952585	1.142313	1.1814307	0.0500244	0.06237/0	0.03020337	1 0017437
1,2572.09 1,000.00	angeronce morker number, 30	0.7016908	0.62855463	0.9557829	0,38052517	0.45929524	0.54630584	0.2292552 (0.49541765	0.6894271	0.54466/86	4 24/04/88	1 2228805	1 9763862	2 088708
1,005/1764 1,007/1055 1,005/1059 1,0	with G	2,723597	2.065647	1.8833616	0.9291581	0.9702041	1.0424551	0.9836932	0.87754387	6773	1.2054/34 0.80527165	1 0344188	1 0140196	1.0908341	0.8575986
1,055/5026 1,056/513 1,056/516 1,056/516 1,056/510 1,0	elanoma-associated antigen ME491	1.050204	0.9050299	1.0901425	1.0815402	1.0290729	0.921649	4 0000004	0.90120313	0 98896086	1012839	1,0607709	1,1581924	12116109	0.892419
Control Cont	hase-1 RCT-28	1.0351784	1,0707657	1 4607376	1.0646363	1.002.1029	1 0327363	1.0028857	1,191149	1.3089138	1.3182248	1.1625932	1.207086	0.9500165	0.9398523
Control Cont	media	0.03/3028	0.7032518	1.296872	1,1103113	0.66082174	1.0658169	0.6552218	1.3076109	0.8710622	1.0632415	1.1721375	0.6712261	0.54471684	0.5783339
Control Cont	condition delivers in the second delivers and	0.9345752	0.966133	1.0268097	0.34454077	0.51370895	0,56619567	0.22151265	0.5132113	0.71000636	0.5766698	0.35982387	0.52541155	0.770003	0.9418805
1,1147741 1,1077319 1,4847415 1,287234 1,138722 1,138715 1,084773 1,084773 1,084773 1,1407241 1,07748	VK1 stress activated protein kinase	0.60101223	0.74251676	0.61773896	0.86058974	1.1645037	0.9639035	1.3363843	0.78313184	0.61/2/04	0.076018567	0 98200804	1,1739056	0.7247781	0.8703914
0.9550264 0.6390812 0.6300267 1.4501401 1.1502224 1.1517222 1.1517222 1.15250527 0.80017204 0.5762618 0.5202524 0.7525674 0.5762618 0.5762618 0.5762618 0.5762618 0.752524 0	rotein tyrosine phosphatase sipha	1.1184781	1.1073129	1.0483415	1.0275316	1.0674065	1.1852217	1.1040797	0.55017370	0.7911830	0.7498632	0.71123713	0,7852803	12751788	0.83056843
1,057878 1,1078871 1,1078871 1,107871 1,107871 1,1087871 1,087871 1,087871 1,1078	hase-1 RCT-55	0.95936024	0.9936812	0.98093617	1.6404183	1,1585383	1.0314520	4 2950537	0.81212004	0.97168195	0.830269	0.8264602	0.77882564	0.89220107	1.1171154
0.7526544 0.7526544 0.2526545 0.2627524 0.752554 0.2627524 0.752554 0.752554 0.752554 0.752554 0.752554 0.752554 0.752554 0.752554 0.752554 0.752555 0.75	biquitin conjugating erzyme (RAD 6 homologue)	1.0578318	1.0162641	1.0/3/911	1.1892824	1.318/292	0.64294455	0.7267783	1 5987933	1,6813105	1.8233294	1.0909226	1.3671016	1.0124493	1,3555889
1,0707496 0,9467206 1,5875881 12193200 0,987178 11438718 1,41548718	NA topoisomerase i	1 060417	1,1102597	1,0751228	0.78344357	1.1332078	0.8093881	0.8680679	1,0887243	1.1900065	1.163371	1.1028711	1.1484097	22014736	1.0523067 4 00/0118
1187444 10204555 101121555 11010170 0.20172286 1.1559407 1.05802102 1.05802102 1.058021027 1.05802102 1.0580210 1.0580	Tiase-I ro 1-200	1,0707496	0.94872206	1,3575883	1,2195308	0.9977136	1.1495788	1.0753816	0.8297366	0.78263096	1.0818027	1.1022016	78493094	0 9101544	16775364
Control Cont	Sela-tubulin, class 1	1.1647443	1.0264555	1.8121955	1,1010879	0.92172986	1.1136973	1.0944594	4 880389	2 0008721	1 5841895	1 1571717	1.1347629	1.1259927	0.8478446
0.5465459 0.776270 0.256554 0.776270 0.256554 0.256534 0.776270 0.256554 0.276270 0.256554 0.276270 0.256554 0.276270 0.256554 0.276270 0.256554 0.276270 0.256554 0.276270 0.256554 0.276270 0.256554 0.276270 0.256554 0.276270 0.256554 0.276270 0.256554 0.276270 0.256554 0.276270 0.256554 0.276270 0.256554 0.276270 0.256554 0.276270 0.256555 0.2567270 0.256555 0.2567270 0.256555 0.2567270	Serbamyt phosphate synthetase i	0.41682667	0.6316168	0.3957071	1.0802811	1.589407	4 0802425	0 9733509	1 2235581	1.328022	1,4205681	12109627	1.175221	1.3772498	0.8431712
1,737.522 1,052.532 1,052.532 1,052.532 1,117.4465 1,052.5461 1,052.5	Diacyfglycerol kinase zeta	0.9489499	0.8786513	4.0470379	1 9873008	0 88708836	0.8250342	1,1997352	1,1781006	1.3270382	1,3105451	1.2159312	1.2449208	1.1421009	3.916892
Control	hase-i RCT-141	17373629	1 5443193	1.8863462	0.8915179	0.9684742	1,0023837	1.1124685	0.9395816	0.8022794	1.0374125	1,3065394	1.1916461	1.3609/18	1.13/3418
Control Cont	14-3-3 ZBRA	0.39256	0.4703287	0.95522875	1.7482532	1.0943034	1,0391265	0.7063831	0.78115565	0.72506136	0.68238837	4 4262065	1 9774645	1202/03	1 0061979
Control Cont	Ribosomal protein L13A	0.80546594	0.8047739	1.1515516	1.1293737	1.0434378	1.163287	1.173499	1214916	1.0/6385	1.3602550 1.3602550	1.1303303	1 0550933	1.4051398	1,0552816
1.585839 1.507341 1.585819 1.507341 1.585819 1.507341 1.585819 1.507341 1.585819 1.507341 1.585819 1.507341 1.585819	kB-a	0.6687584	0.68182296	0.89412427	0.9301153	0.9987163	1,0898058	1.094/839	1 12R0415	1.18466.08	0.97674537	0.8904515	0.8456168	1,0383489	1.1274593
L.3311440 L.3311440 L.3311440 L.3311440 L.3311440 L.3311440 L.3311440 L.3311440 L.3311440 L.3311440 L.3311440 L.3314440 L.3314440 L.3314440 L.144430 L.331444 L.3314444 <	Phase-1 RCT-65	1.5858599	1.502033	1,6688019	1.2830/33	1,000,000	1 2085371	1 2163249	1.0891458	0.98026156	0.96013635	1.7872092	1,83753	1.6349264	1,5117762
1,516704 1,5845074 1,589571 2,4152234 1,586738 1,582738 1,789274 1,1809699 0,995376 1,1870481 0,8644391 0,844391 0,4443391 0,444391 0,4443391 0,444391 0,444391 0,444391 0,444391 0,444391 0,4443391 0,444391 0,4443391 0,444391 0,4443391 0,444391 0,4443391 0,444391 0,4443391 0,4443391 0,444391 0,4443391 0,444391 0,4443391 0,4443391 0,4443391 0,4443391 0,4443391 0,4443391 0,4443391 0,4443391 0,4443391 0,4443391 0,4443391 0,4443391 0,4443391 0,4443391 0,4443391 0,4443381 0,4443381 0,4443381 0,4443381 0,4443381 0,4443381 0,4443381 0,4443381 0,4443381 0,4443381 0,4443381 0,	mic	2.3511940	1 0554826	2,1191454	1.851129	1.1381216	1.1273929	0.75628245	1.1538911	0.9335246	0.9894401	1.1142278	1.0938298	1.3175815	1.135494
1.3167604 1.2167604 1.2167604 1.575243 1.1880569 0.5468673 1.0521902 1.0253590 0.70430505 0.79872567 0.8470491 0.0244491 0.0244491 0.0244491 0.0244491 0.244491 0.244491 0.244491 0.244491 0.244491 0.244491 0.244491 0.244591 0.2476913 0.2476914 0.268769 0.2474913 0.2476914 0.268769 0.2474913 0.2476914 0.268769 0.2474913 0.2476914 0.	Protein O-mannosytransterase 1 (Ponts)	1 6846074	1 5899711	24152234	1,508698	1,5567368	1.788274	1.1809659	0.9959766	1.1870943	1,1858786	0.95950174	0.9460339	1,0093885	4 045634
welpmental regular Consider FRD1 0.82658255 0.8141601 0.8541247 1.5560722 1.1251776 1.3328296 1.55485176 1.0543565 1.2555931 0.8555933 0.8555933 0.8555933 0.8555933 0.855762 1.255177 0.855762	HMG COA TEQUESISE	1,3167604	1,2147846	1.575243	1.1880559	0.95488673	1.0621902	1.0293599	0.70430505	0.79875267	0.8370481	0.8244391	0.8455/32	0.35565555	200
rotein 76 0.6871039 0.5881722 1.0062331 0.58803471 0.08523483 0.18803471 0.187783131 0.187783131 0.187783131 0.187783131 0.187783131 0.187783131 0.187783131 0.187783131 0.187783131 0.187783131 0.187783131 0.187783131 0.18784301 0.187783131 0.18784301 0.187783131 0.18784301 0.18784301 0.18784301 0.18784301 0.18784301 0.18784301 0.18784301 0.18784301 0.18784301 0.18784301 0.18784301 0.18784301 0.18784301 0.18787101 0	Interferon related developmental regulator IFRD1	1	7007770	0.0044947	4 EEE00773	4 495477E	13326296	1.3651796	1.0549568	1.2323107	1.2892762	1.4393816	1.2545093	1.3299127	0.8557413
Substance Foresting Control of State Contro	(PC4)	0.8283823	0.568172	1 0062331	0.6593933	0.58800477	0.5448911	0.777725303	0.58422406	0,6370983	1.0420642	0.8502695	0.86646473	0.9449574	1.0021307
10313823 1038280 1.550721 1.563890 1.5071221 1.563890 1.5071221 1.563890 1.5071221 1.563890 1.5071221 1.563890 1.5071221 1.563890 1.5071221 1.563890 1.5071221 1.5	Gucose-regulated protein 70	\$159776313	0.90866107	0.95843005	0.6587421	0.86292493	0.86585604	0.8566523	1.3470904	1.1451674	1.3635805	0.92341864	7,0251063	2 807335	0.85651776
Phase-I RCT-169 1.1969987 0.8955086 0.815508 1.076924 1.0246239 0.890441 0.815084 1.223564 1.223564 1.243975 1.261633 1.3718771 1.17 Phase-I RCT-187 1.4310659 1.2971386 2.2257657 1.6153391 1.1557191 1.6556021 1.6095659 0.8728746 0.8899156 0.8474135 0.88433604 0.9965529 0.569 Phase-I RCT-34 1.4910659 1.2971396 2.2257657 1.6163391 1.1257191 1.6556021 1.6095659 0.8728746 0.8899156 0.9474135 0.88433604 0.9965529 0.569	Caspase 6	1.021352	1,0399905	1.1597272	12146997	1.3018749	1 2252991	1,327785	1,3398557	1.0785293	1.3763334	1 0043831	1 0007727	1,0552884	0.71014994
Phase-I RCT-187 1.482653 1.2871396 2.2257657 1.8183931 1.1257191 1.6556021 1.8096569 0.8728746 0.88378246 0.8839155 0.84735604 0.8965529 0.56787846 0.8939155 0.847356 0.89433604 0.8965529 0.56787846 0.8939155 0.847356 0.89433604 0.8965529 0.56787846 0.8939155 0.847356 0.89433604 0.8965529 0.56787846 0.8939155 0.89433604 0.8965529 0.56787846 0.8939155 0.89433604 0.8965529 0.56787846 0.8939155 0.89433604 0.8965529 0.56787846 0.8939155 0.89433604 0.8965529 0.56787846 0.8939155 0.89433604 0.8965529 0.56787846 0.8939155 0.89433604 0.8965529 0.89433604 0.8965529 0.89433604 0.8965529 0.8943604 0.8965529 0.8943604 0.8965529 0.8943604 0.8965529 0.8943604 0.8965529 0.8943604 0.8965529 0.8943604 0.8965529 0.8943604 0.8965529 0.8943604 0.8965529 0.8943604 0.8965529 0.8943604 0.8965529 0.8943604 0.8965529 0.8943604 0.8965529 0.8943604 0.8965529 0.8943604 0.894529 0.8943604 0.8965529 0.894529 0	Phase-1 RCT-169	1.1969987	0.98563866	0.8199591	1.1758924	1.0246239	0.9600401	4 4 722/13	1 0729241	1 2233564	1 2439715	1.4957703	1.261693	1.3718771	1.1491425
1,4910659	Phase-1 RCT-197	1,428255	1.2697457	1.2926725	1.3312808	1.0523103	1.0//1221	1 8006569	0.9728746	0.96376246	0.9899156	0.9474135	0.89433604	0,9985528	0.56059134
	Phase-1 RCT-34	1.497003	1,237 130	4.663(03)	2000										

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							100000000	144040001	1 04433061 0	BOOOKECAL	TOTTOTA	1 1287836	1.1589708 0	87906386
Phase-1 RCT-72	0.96961623	1.3251092	0.8330981	1.2209156	1.0102443	1.015847	3782975	1, 1404300	1 0220395	1 153401	14635667	1,3940432	2.3149333 0	71320075
Pyruvate kinase, muscle	0.9783188	1.02339805	0.98244584	1 310333	1.1230004	200000	78033084	1 1803731	1.1219181	1.0682901	0.9585158	0.8662157	0.9910344	0.7291372
Phase-1 RCT-288	0.60301055	0.56669/1	0.023333	1 0340667	0.0741344	94473395	96501577	1.202184	1.0592045	0.9252737	.98732775	0.92549646	1250218	0.9929692
Phase-1 RCT-90	1.1236936	1.07.37449	0.854 / 0504 0.8220858 /	77818197	6739169	0.9432696	0.6619947	3.81860423	0.6046824	0.9422943	0.6461741	0.9845355	0.9965333 0	50500643
Cytochrome P450 2C39 (alternate clone 2)	0.5005397	1 0436932	0.47068247	1 5517427	2.5579891	2.2453704	1.4712263	3,369701	3.4472518	1.5788835	2.6867843	2,8580656	2.9664836 0	4 22 20486
Phase-1 RC1-290	1 1087577	1 1116053	1,0730288	1,1847367	1.0149386	0.8631498	0.9329318	0.8093228	1.1257263	76027846	1,0805499	0.7804302	0.74200700	1.331 1003 4 EREBORY
Phase-1 RC1-251	0,86993736	0.89065087	1.024867	0.47462487	0.88123745	0.7429085	3,88753676	1.0667351	1.189396	1.1571285	0.9626617	1.0536149	1 75207702	0 9817699
Catachama DASO 142	0.7715282	0.9437113	1,0649898	0.86729383	1.0542787	1.0513836	3.83696537	1.103884	1.02/1416	1.1009509	1.01307572	1 3040712	2 2414145	1,1198015
Phase-1 RCT-297	1.1152159	0.87104374	1.0862836	1,4393283	0.8863087	1.1271632 (271075433	1.0933/4	1.0114012	0.7596822	78938955	0,65909594	0.749309	1.0473721
Monoamine oxidase B	0.62895775	0.6870812	0.6515048	0.8816308	1.0934503	1.031484	12/22/2	0 97059774	1.0655019	13171585	1.1905481	1.45514	1.1537226	.83424634
Phase-1 RCT-264	0.74691516	0.6276892	0.84085524	4 2044274	0.0148429	1 049409	0.9426634	1.3222736	0.8761163	1.010359	1.1754947	0.68257654	0.537784	0.8231603
Peroxisome proliferator activated receptor gamma	1.3089945	1.3342992	1.1430133	120412/4	O BEEFFTOR	0 0306449	0.89929223	0.83194005	0.8604359	75749457	0.68697083	0.6634976	0.74594206	1.0428851
Phase-1 RCT-143	0.7649899	0.7733907	4 E24204B	0.54634464	A 87126585	0.9519178	1,0267769	1.1143547	1.0246295	7.70762277	1.1087512	0.9005291	0.860347	0.9087297
Phase-1 RCT-251	1.1036234	1.2330924	0.0212340	977521	0.84579223	1.0555063	1.1611071	1.0641026	0.8344127	12772627	1.081562	1.1806842	1.3423902	1.0860ZZ7
Phase-1 RCT-117	0.9861033	0 0442800	4 4771444	1 1187501	99765066	0.89487666	0.81775177	0.9398109	0.9270686	3.87772965	0.72739494	0.7845014	0.78733015	0.7936/66
Glutathione S-transferase meta-1	0.84276175	0.8182798	0.8016678	1.012001	0.9828069	1,0067225	0.96302716	0.90848714	0.8640283	0.8130553	0.9433606	0.8505205	0.9845587	1.0163206
Phase-1 KCI-81	0.7516593	0.82975745	0.82010514	1,0430917	1.0063423	1.2136445	1.0126966	1.0846987	0.9410998	1.0828248	1260/73	000000	20192000	4 4 202 4 8 3
Phase-1 RCI-148	07169319	0 7386055	0.88265777	0.68291044	0.95167303	0.9045574	1.018691	0.8851717	0.9125772	0.9780607	0.62862334	0.22270	0000000	1 0657377
Phase-1 KCI-142	1 2583686	1.3600518	1.1434455	1.0929235	1.1568772	0.99639994	1.141398	1.0229123	0.92188	1.1650026	1.0999157	1224/828	1.4300383	4 7759805
Chrise methylteneferace	0.82768077	0.78277063	0.47893095	1.422604	1.4278162	1.2904472	1.1588279	1.8319579	1,922241	12/42405	12010531	0 0007335	0 9118551	9206900
Phase-1 RCT-281	1.0408499	1.0828255	1.1153474	0.9220771	0.9807304	1.0131443	0.9793517	0.82927483	0.092/2/2/	0.0376068	1 128474	1.0986992	1,1790683	1,0477725
Ciliary neurotrophic factor	1.00235	1.0913272	0.97330993	1.1524942	1.0350003	0.9727726	4181727870	0.3100045	0.51302333	1				
Gap junction membrane channel protein beta 1 (Gjb1)	4 4000013	4 670037	- 1501008	1 17787	1 0034227	1.131621	0.94002247	1,511367	1,4069719	1.2774432	1.1175416	1.0791687	1,0683111	1,3499727
	1.4520847	1.010021	0.0555588	1 1648755	1 3920116	1 0657258	1,0335135	0.6586562	1.0297145	0.67877644	1,0211611	0.6692649	0.6578618	1.1453781
Phase-1 RCT-98	0330073.0	1.1030501	0.000000	0 77877923	0 9786861	1.0505298	0.9681942	1.1592729	1.1467422	1,2848513	0.985082	0.9427435	1.0710658	1 231 9392
Phase-1 RCT-287	0.07777509	0.7209648	0.91300464	0.5631312	0.87420857	0.9068068	1.119427	0.5894845	0,69989324	0.70517548	0.7188229	0.6278484	0.830657	0.0551805
Ver less that sout Cot confroits	0.6126798	0.6969633	0.8924961	0.5179292	0.8617078	0.99998285	1.0650961	1.306127	1.4394879	1.1892656	1.1231550	1 2288493	1 105853	0.98118503
Surfacen-1	0.823517	0.9534054	1.0173365	1.0673064	0.9896318	1.0851948	1.0978271	1,3790909	1 2007454	4 0744477	1 0188274	1.1994534	0.94520295	0,84118664
Stallmin	0.99498814	0.97222936	1.0125381	0.88833386	0.92/4888	0.8815537	4430074	4 0381336	1 1149398	1.0416784	1.129584	1.188296	1.1855325	1.387732
Phase-1 PCT-145	1.0146587	1.081242	1.3707421	0.9824117	1.1154/05	9777450 G	1.0130074	4 5162009	1 5877486	12905282	1.0270444	0.9151215	1.0188586	0.9279841
Axin	0.7151237	0.7845108	0.78366166	0.90172785	1,0233288	0.8517470	0 8094129	0 91230273	0.9715784	0.88190305	0.788142	0.72813237	0.9088495	0.85328746
Phase-1 RCT-89	0.70116514	0.8098664	0.6736375	0.6266100	0.7 909023	4 0213084	0 9494347	0.6360649	0.83956846	0.74256575	0.80330744	1.0694333	0.7468906	0.86631876
Sarcoplasmic reticulum calcium ATPase	0.81933045	0.91054845	0.940/38/	1.0431494	4 0675273	1 1136976	1 1515889	0.752406	0.8263649	0.7336202	0.7517352	0.8389691	0.7402446	1.1745716
Alpha-2-macroglobulin, sequence 2	0.60837245	0.7243301	0.03333	0 03224 736	0 9458528	0.9514657	0.93743455	0.8564882	0.92597896	0.8856897	0.8716339	0.8313951	0.90477115	1.0613654
Phase-1 RCT-204	1.0046233	4 0694557	1 0181099	1 232579	1,1143339	1,0733064	0.91696715	1.1249114	1.0750798	1.0484628	0.800285	1.0586287	0.90278908	0,7762485
Vascular endothelial growth factor	0.3210013	2000	200									COORD O SCOOLS	0.00453005	0.87158066
NADP-dependent isocarate ucayarogarase, cymona	0.66397125	0.69811296	0.93944216	0.6731242	0.86180174	0.8695845	0.7619873	1.0742916	1.0506076	1.16258/3	0.8/00033	0.57448355	0.6987776	1.4791478
DNA binding protein inhibitor ID2	0.9744039	0.71720666	1.3218611	1.0271237	0.8167857	0.993494	0.8/43/48	1.2449770	0.557297	0.4733658	0.36544788	0.4867188	0.49295157	0.4594853
Glutathione S-transferase Ye	0.53966254	0.7389294	1.4423342	0.9708739	1.0014282	1.4 1 12033	0.330001	0.87991744	0.8619018	0.77403253	1.7215178	1,3516474	1.1058848	0.7693059
Epoxide hydrolase	0.6862323	1.0426985	1.456/034	0.908/3000	0.7515592	1.0534443	0.7715371	0.825513	0.8394576	1.1676702	0.9036402	1,00528	0.81827474	0.8206819
Insulin-like growth factor I	0.6110029	0.04630434	1 0112214	11538018	6 0.80808085	0.64341253	0.8790062	0.8738069	0.7900306	36 0.46869603	1.1216041	1.0437902	0.42912528	1.4758333
Prostagrandin H synthase	0.9642812	0.8084587	0.91958076	12589561	1.0150054	1.1410254	1.0886618	0.9502722	1,0976684	0.9281422	0.8206202	0.78350804	0.095087	4 0644430
Phase-1 RC 1-136	0 61840427	0.6668874	0.6924071	071 0.58854755	0.8066044	0.7472117	0.92534447	0.45830366	0.5031565	0.5154074	0.5089/69	1.43928737	4 403622	0 9515151
Dhare 1 DCT. 138	0.8139114	0.76936707	0.7287646	0.991785	0.9981788	0.9939689	1.0591443	0.99941397	1.1484Z33	0.9433030	1.0443509 0.6447506	0.61879724	0.6083279	0.6948311
Heralic loase	0.618248	0.6378238	0.6541856	0.7407295	1.0206772	1.033616	0.89411646	0.85387.30	0.70955795	198	0.82917947	0,73298746	0.69958496	1.1479527
Phase-1 RCT-164	1.052789	1.038754	0.9738725	0.7387421	1.0051512	4 0636443	1 1314416	1 7091842	1.8161801	1,7384908	1,3939964	1.4618571	1.2701157	0.9591058
Acyl-CoA dehydrogenase, medium chain	0.668186	4 27/07/16	4 6467660	1.75147873	4 10926B	1 200127	1.0233206	0.88762313	0.92362547	0,97085565	0.8849539	0.666649	0.89322424	0.9781157
Glutathione S-transferase Yb2 subunit	1.466380	1 340673	1.0402003	1.2528102	1.165122	1.298607	1,1831788	0.8822905	0.91331255	0.97677255	0.9211088	0.8390097	0.9687308	1.0108418
Carbony reductase	1 1702812	1.095073	12450941	0.6487852	1,003824	1.0300605	1.0093033	1.095518	1,0200796	1.24116	0.9592509	1 1648346	\$577099 C	1 2130343
Apolipoputein F	0.7743144	0.688126	0.6585196	0.9287486	1,0029542	0.89161587	1.2018619	1.1369575	124/3536	0.94418920	0.003343	0.332013	0.73240805	0.67164093
UDP-chamonosyltransferase	0.9701816	0.579131	0.91395928	0.73338866	1.0312784	0.80470634	0.97891134	1.0510561	4 2485857	1 368057	1 062414	1.1086987	12957633	1,5228882
Glutathione S-transferase P1	1.046242	0.879193	1.0556283	0.8047586	0.85457414	0.951/993	0.8249230	0 9619372	13666005	1.1474563	0.8311747	0.8345962	0.66925408	1,055566
Disulfide isomerase related protein (ERp72)	0.62465	0.6309010	1.0545953	0.91300344	0.72200354	0 7931068	0.8918138	1,3992227	1.6163841	1.3990438	1.0236472	1,1881607	0.8448622	0.7014991
Ribosomal protein L13	0.634677	0.70505	0.7422929	1,4016721	0.75638366	0.6796677	0.969899	1.0726981	1.0273452	1,1178793	0.9304262	0.7088629	0.81327564	1.7433281
Ceruloplasmin	0,7824312	0.737119	9 0.83330	2.462528	0.88118374	0.97248274	0.7414251	2.0220923	1,95615	2.312855/	1,50/1303	1,0032001	1,330000	- COTON-
Meralpha-minner the neart com tanner										•				

Phase-1 RCT-3	1.1004384	1.1501107	0.9498611	1.0588712	-	0.8821086 0	98920214	1.1871992	1.1815819	1.3481363	12524936	1,2318784	1.5489086	92364776
Fetuin beta (Fatub)	1.442075	1.1813881	0.9745709	1,036632	1.2551214	1.2140455	3201222	0.6347903	1 2007064	1,4200504	4007006	4 44077308	0.60/0131	4 4086272
3-Indioxysocoliyisde denydrogenase	0.00110000	10000	0.119202	0.1452103	0.7301901	Debacon 77	0.8072456	0 5725051	0 7385818	ARSHRA47	95160290	0 66114163	0.7277851	78337973
Carbonic amycrase III, sequence 2	0.0003027	0.2007 (43)	74677705	75449075	O BETROK4	0 0100540	95597035	1 0354574	1 175185B	4 438755	REGIACISES	0.8325128	0 8599505	0.946781
THESE I ROLL OF	0.001/0000	0.1030202	0.54677033	7 162077	67064406	7427574	O BUERTAR O	1,595,524	1 DESERBE	BACA4497B	1 0600961	0 5842834	O GORRO18	1 188323
April 4 Contract	0.040549	0.00021230	200	0 75070775	90004404	0 5073484	1 0049694	700010	0 9040312	1 1469686	AATTCET O	7 PROBADOR	0 8961461	1 0491279
Lynaman-1 (D100)	4 77306773	2000	0.00000000	4 200007	4 420006	1 13074	4 4030357	95042546	1 1041814	1143199	0.9515135	0 9275004	96867894	1 4846773
Lysy oxease	2/00077	020071	24 1000000	10077	4644043	03050504	4 9957875	1 1007/22	1 FRRADRE	1 2000285	4 7010159	0.0534192	1 1148185	0.8542397
Frase-1 Rui-22/	0.4040	* 0477300	0.0073000	000000	10017001	000000	10037626	7 0008927	2 0364356	2 1321588	1 6043705	1 8777032	14717363	0 94277807
Prese-1 RC1-29	0.2107024	1.0422332	0.5045123	1,017 1030	0 0044000	0.004000	0 0860444	0.01411709	1 24 105 38	1 1583045	1 300823	1 6617607	1 5851898	1116991
Pridse-1 RUI-Z/O	0.0012100	0.0740470	0.0148083	0.0000000	0.000000	4 0400000	2000	201666	0.0517965	07813046	4 0507265	OGGGGRA	1 0260361	91951126
Phase-1 RCI-42	0.31145374	0.3/404/0	1.000414	0.03010000	0.300000	1005200	4 0000	0.000	1 0303077	00200343	79743497	D BRODEOUS	BRIBEIR	92064555
FT359-1 KCI-25	0.00001	22000	0.000000	2000	7004077	700000	0 7544740	200000	000000	A 6360064	4 070007	4 0801011	1 1067187	4 38BQ163
Cytodyrome P450 2C11	1.1453772	1.0146345	0.7590536	13312	0.7128711 0	3,70303105	U.7547.19	CLOCK 2021	0.8483202	0.000000	1.0780337	1,003,000	4 40000474	4 007054
Phase-1 RCT-202	0.79168826	0.8221577	1.0404505	0.8248977	0.77282506	1,186/658.0	0.965524/4	0.9940603	4005CC+6	30323004	3 5	0.0433007	2 2 2	12070707
Complement factor I (CFI)	0.6856029	0.75143075	0.79658914	1.1582825	0.9330466	0.9467811	1.0472502	1.0564601	1,0355911	1,0922947	0.88165066	0.92141485	1.0/2/903	1.133/00/
Proliferating cell nuclear antigen gene	0.95599836	1.0392687	1.0753464	1.0233837	1,0582508	1.0332854	1.440239 (73302305	.80109733	0.6425847	108559	1.45/3044	1.2800823	1,006/621
Activatino transcription factor 3	1,3956591	1,3707942	1,0578363	1.1613007	1.2657187	1.0803897	1,9803959	1.7989016	1.27/16281	1,5113707	1.5044177	1.6554366	1.2586535	1.0436833
Focal adhesion kinase (po125FAK)	0.86227465	0.9659454	0.88852865	39995065	96900696	1.0027155	1.0479146	0.9528391	0.93860584	0.9418911	1.1970491	1.1577649	1.1902968	1.1562841
Phase-1 RCT.289	0.8041027	0.7676363	0.71858335	0.70841634	0.9003491	0.8787054	0.9052573	0.63953817	0.6273439	0.6261101	0.70895055	0.49882537	0.8197219	.98401165
Phace-1 BCT-250	12466889	1.086518	0 9737212	1 1680113	0.9565508	1,0064111	0.9749574	0.821249	0.8446205	0.7447548	0.9670674	0.88065	0.99443537	1.161106
from menonsius alement hinding scotols	PL POUECL U	0 7755740A	O RED3781	0 8902442	1 95509243	1 0993336 (89079094	0.9337031	193352914	1,0021856	1,1025468	1.0898357	0.9618915	.82877773
Action of the Control of the State of the	2 14/0/02	1107574	4 0750574	1 1784014	1 2452/02	1 2080307	1 0774136	1 0842497	0 92200035	0.9978906	1 0085784	1 1232988	1.1749231	18383848
MAC Cass I angen K I LAT(I) alpha-Chan	2,1443132	10/07/07	1.000014	1.4/01014	4 0300700	00000000	4 4044005	0 00077640	100	0 70432506	VO/0258 0	0.65742785	O 81777848	1 107 1453
Ary sufotransferase	0.504902/4	0.71330330	100477777	7,09,00,50	70/000	0.31032200	1000	0.02200	0.1.00	0.0000000000000000000000000000000000000	1,100000	3	200000	10000
Phase-1 RCT-171	1.1977684	1.1972517	1.489433	1220/053	1.0606802	1.1861702	1.3244.31	0.834/883	7510510.1	20207	1.02003/4	0.304537.10	COCCOOL	3 3000
Phase-1 RCT-83	0.87385666	0.8514255	0.703798	3.54445636 (3.61425054	0.695688	58178884 (0.49617246	3.47574538	0.49984694	0.5686644	0.40606358	17/08/50	1,0318472
Phase-1 RCT-270	0.69059134	0.7484272	0.71072185	73459053 (0.72209823	0.7418329 (.65380836	1.1333648	1,1018115	1.0454168	0,80576557	0.63894224	3.70646155 (70144045
Colony-stimulating factor-1	0.6959585	0.8337081	0.95197517	1,0182983	1.008924	1.0458354	1.1271528	1.1887908	1.1724796	1.1426857	3.83745813	0.9575367	0.9545946	12207574
N.cadhedo	0.98585945	0.98893994	1.0482159	0.8329733	1.071009	1.194199	1.0310084	1,446161	1,1049708	1.2167624	1.022746	1.0103451	0.9469438	0.7096729
Phoea.1 RCT.57	1 267 1018	1 2936412	1 8225497	1 2931248	1 0587088	1.4066881	1.8141859	0.9232755	3,99003774	0.88858616	0.91999674	0.82017183	0.88636807	0.725548
Oberes 4 DCT 20	O BAG77817	0.8792757	O REBRADO	1 2495034	4 3027936	1 0094765	1 0785954	1 0626991	11530058	1,1023121	1.0882642	1.1158937	1.1346309	1.0203489
AT 3	4 0434469	1 1146573	0 0000334	4 00870GR	1 0246154	0 8987333	1 058324	1 1539075	1.0881056	1 2426351	10184362	0.97186553	1,088005	0.9846723
21X	1010000	10477044	0.0306031	70207000	7 272776	ACECOEDA	0.0053000	4 4704258	CACARA 4	1 1988804	4771440	8658260	0.9687339	0.7553352
Mase-1 RO1-10	4,0004071	1,000,000	200000	0.0000	0.0000	700000	7007000	7750477	CLYBS/R	TUTESERT	SATCHANO C	ACTONO O	192716646	1 015R759
Phase-1 KCI-123	1.03216/3	1.0034202	0.91620217	07,00240	0.3020/0	0.003057	0.210200	0.0000	20000000	0343330E	DOMEDIA SE	CRARRED	1 0006156	0.5870122
Phase-1 RCT-68	0.80790786	0.7876167	0.53/33310	0.87 39039	0.01413004	0.0135345	0.7043328	7004000	00000000	200000	2	3	200000	1
Equilbrative nitrobenzylthlohosine-sensitive	-		-	_	-		100,000,00	1000000	***************************************	22022000	A E024504	O AKBOEKB	ACT O BASEAGE	TORADENA
nucleoside transporter	0.79438174	0.748589	0.74642354	0.6538464	U./441644	L/30411	0.3023463	U.46091466 U.49189304 U.46321073	0.49 89304	0.40321013	TOCOCO.	0.400000	4 2007006	0 500000
Glucose transporter 2	1.1021179	0.95448595	1.5267401	0.93964773	1.1550145	1.1632297	0.9561624	1.0019403	1.1020363	12/24823	1.0/032/2	1,08/8/4	1.3097600	0.00000
Multidrug resistant protein-2	0.9990064	1.0213908	1.3553312	1.5066206	0.98926735	13493134	0.9853525	1053889	0.8818918	1.0905561	1.7457473	1./653128	1.972700	100304
Multidrug resistant protein-1	1.1215538	1.0832468	1,5208176	1.6006896	1.0782455	13739225	1.1006398	1458//9	1.1581129	1,22/34/3	75054507	1./636332	1,000,100,1	0.0200302
Phosphalidylethanolamine-binding protein	1.4491093	1,2239329	1,4385514	1.3969151	1.0943782	1.126124	0.9900374	1.1873835	1.1670923	1,0852433	1.0101433	0.6025219	0.9498924	1,004,007,3
Phase-1 RCT-180	0.9787454	1,058127	1,5485451	1,3425472	1.3366963	1.294657	1.1743283	1.0405502	1.105/89	1.09/2698	1.055558/	1.10/9508	1.123530	1.000
Integrin beta-4	1.2538141	1.3358333	1.17404	1.2358733	1.0428933	1,0040067	1.1219943	0.96531826 0.9413	0.84130534	1.0872072	0.94030666	0.82391659	1.0450243	1,050,073
NADPH cytochrame P450 addoreductase	2.470575	3.0290654	2.620774	1.1718748	1.2874634	1.1048917	1.1400257	1,2398516	1.1239822	1 2259748	22817433	1.7581413	1,5045872	1,537,6146
Waf1	1,5965804	1.9765271	1.4530799	1.1675323	1.059205	1,0292932	1.1005839	0.7141936	0.7121161	0.68585765	0.84618846	0.7955998	0.85141283	1,5755202
Endogenous retroviral sequence, 5' and 3' LTR	1.1178746	0.9171001	0.83537877	0.9585848	12251582	0.9398527	0.7380633	1.8042373	1.6444811	1222711	1.1164999	0.85208505	1.0026098	3,91527396
Phase-1 RCT-53	1.077646	1.1549873	1.1484795	0.90745616	0.8526189	0.8345308	0.8766553	1.2124081	937	1.193946	0.91169333	0.8649932	0.9004697	.84252363
Phase-1 RCT-54	0.8857099	1.002523	0.92836314	0.77538586	1.0327463	0.830269	1.0472519	0.63260686	0.61521681	0.62892205	0.72125214	0.5311535	0.8165822	1.1511629
Phase-1 RCT-240	1 2060772	1,2312205	1.1205583	0.9598469	1.0615058 (0.95292896	1.0759326	1.1260083	1.158608	0.9607618	1.0678174	0.9652407	0.8667351	1.0104486
Osteopontin	0.5769338	0.7151236	0.7897447	0.82772815	0.9918158	1.0508907	1.1342659	1.2915621	0.85149868	0.97728387	0.70771988	0,58071595	0.68250245	1.0608932
Organic anion transporting polypeotide 1	0.8424187	12908117	0.9636117	0.7671596	1.2049053	1.1390887	3.43124405	1.26385	1.104859	1.0768654	0.9679282	0.9304094	1,2239075	1.0445229
Physe-1 RCT-241	1,1288794	1248965	1.1822113	1.0154152	1,1147158	1.0487318	1.074939	0.93461424	1,0349308	0.7392674	0.91291463	0.8606292	0.85266393	1,3376423
Tissue factor pathway inhibitor	1.1402286	1,3005822	0.9122771	2,0508952	0.8978923	0.8689217	1.1299101	1,1489694	1.3696585	1,549656	1.7211186	2,0359976	1.782519	1,0495896
Cyclin-dependent kinase 4 Inhibitor P27kip1 (alternate			-		-			-						
clone)	1.24806	1.2963644	1.4906734	1.4625312	1.216461	1.3465381	12118138	1.4095196	1,5294558 0.94893456	0.94893456	1.2510144	1.3160495	1,3343006	0.9602382
Phospholipase D	1,1762049	1,2016162	1.0184015	1,315818	1.084312	0.9815838	3.86970645	0.8218915	0.74202114	0,68879104	0.8245708	0.82628465	1.2552116	0.7481617
Phase-1 RCT-39	1.1638477	1.2878051	12182164	1.1822042	1.0252671	0.95496494	1,0074575	1.2113272	1.0152364	0.87897997	1.4321759	1.4463/1/	1,555,500.52	0.5561933
Phase-1 RCT-258	0.9687184	0.9439664	1.1070244	1.3011063	1.1245006	1.1471341	12045736	0.969815	1.100547	0.94180906	0.8745986	0.8106212	3.B4857416	1.2061099
Phase-1 RCT-113	1.10326	1.1768539	1.1946965	1.0067934	1.0673335	1.0638877	1,3287537	1,1269403	1.2412261	1,0026383	1.1408583	0.94894576	0.8894741	1.5848978
Adenine nucleotide transfocator 1	0.92336273	1.0015508	0.97388124	0.8855724	1.2821	1.1313862	3.94009936	0.9334848	0.8762086	1,1211816	1,0419639	1.1362748	1.2414347	0.9828109
Alpha-1 acid glycoprotein	0.9216974	0.90006185	0.74880105	8.546441	1.1616232	1.3685282	1.7437265	0.7985375	0.81586087	0.7869175	-	12725592	0.98123705	8.449898
MHC class II antigen RT1.B-1 beta-chain	0.9418193	1.2908882	0.5868139	1.0934725	1.1307353	0.9536367	0.817986	0.94873655	1.0102329	0.54229605	1.17994191	0.77514845	1.1057882	1.1205535

	100000000	1000000	4 0000004	4 0000004	0.0372007	1 0640618	1 14986241 0 867668331 0 972717761	86766833		1.0037992	1,0037992 0.94701785 0.98328555		1.1389104	0.9992174
Organic cation transporter 3	0.76567964 0.78225594	0.78223094		1.0030204	2001100		4 2232020 4 4440835	4 4440835	1	0.044702	1 0807914	0 914707 1 0807914 0.8639843 0.8833896		1,0268269
Hypoda-inducible factor 1 atcha	1.0133915	1.0342407	1.0342407 0.9739865	1.2033443 1.240112/	12401127		122/3020		201000	4 065440	O DETONO	4 ACE440 A DE70208 A 9208704 A 9075623	_	1 0375093
Phase-1 RCT-43	1.1282331	1.0679573	1.0679573 1.1386691 0.88744074 1.0391033	0.88744074	1.0391033	0.9530876	1.12/0808	7,62/5	001/2101	6410000	0700000	4 ACGC/130 A GR717R3	L	1 00517RB
Change & Dort 45	1 0554063	1.1144654	1.1111555	1,1111555 0,8853482	1.031343	1.031343 1.3047866	1.0251353	1.1370989	1.0535445	. 1	0.888.543	270000	20000	2000
2	0 5003652	O GEORGIOS	A KRONGED A GEORGIOG	0.9621445	1 44 20857	1.2928433	1.1736053	0.8817881	0.945132	_	0.8556118	0.826168 0.90603596	3,8000,3330	700000
Matate denyorogenase, cytosoac	4 4424344	0 0489440	0 0422344	1 1464659	1 5042222	1 1464659 1 5042222 1.7297386 1.3237292	13237292	1,1145892	1.0587837	1.0744423	1.0260736	0.996102	0.996102 1.1133779	1.1610421
VL30 element	1151511		0.7774000	A B02C044	0.0175999	A BODGOA 1 0 0475332 A 77338654 D 9761832	0 9761832	1.2667332	1.4668841	1.0837462	0.9835246	0.9635246 0.95181155 0.8969341	0.8969341	0.9771656
Phase-1 RCT-189	0.8390905	0.7194047	0.747 1033	000000	0.005000	A AGOTAGE A BOSECTE A GOLANAR 1 4102368	4 44033ER	1 1228138	1.1078795	12226522	1.0546225	1.0181594 1.3550496	13550496	0.7643105
Alpha-fetoprotein	0.81203383	-1	- 1		0.000000	0.03447939	4 0755424	4 0785434 4 0754569 4 1625705		1 2168126	0.9917959	1.140068	1,140068 0,97937006	0.9139288
Calgranulin B	0.7442076	ı	0.8144653	0.3338821	1.032233	0.9107.000	200000	1 1744255		1 2966125	1,1070098	1.1483467	12125367 0.77120984	.77120984
Tissue plasminogen activator	0.9073392	- 1	0.948018/ 0.06824004 0.70/1608 0.7613080 0.67760000	0.70/1666	0.7013000	4,000,000	4 455454	1 001 2261		1 0275407	0.7874819		0.9106379	1.0852442
Phase-1 RCT-195	1.3698378	- 1	1.359295 0.9650056 0.35921213 1.000000 1.0000000 1.0000000 1.0000000 0.863607 0.9462946 0.893507 0.9462946 0.893507	0.95531213	1,002003	1.0626063 1.0645468	74088164	0 5303497	0.6617237	0.8838427	0.6845027	0.94452846	0.8935676	0.7795626
Liver faity acid binding protein	0.4969089	- 1	0.7374336	0.37600233	0.0034633	0.7374556 0.37666235 0.6534683 0.7313466	4 0347847	1087000	0 024891 0 9857031E	1 0082519	0.82963085	1 00825191 0 82963085 0 781997 0 86745275	0.86746275	1,1373945
Alpha-1 microglobulin/bikunin precursor (Ambp)	0.7180933	٦,		0.00041374	4,000,004	U.068/613 U.060413/4 U.0603044 U.06777774 U.06777774	2777777	A 0047055	1 0867363	1 000149	0 9993475	1 000149 0 9993475 1,028677 0.9586289	0.9586289	1.0178962
Phase-1 RCT-294	1.1395735	- 1	- 1	0.9901/85	0.38343850	0.830//04	0.0427113	4 4004 243	1 0642668	1 0445881	1 0830485	1 0445881 1 0830485 0 99275726 0 90642464	0.90642464	1,5457531
Phase-1 RCT-151	0.7869782	- 1	- 1	1.186238	0.63636136	1.186238 0.89836136 0.8702013 0.8362390 1.1061213	2000000	1 000101	4 204 4 7 24	1 Q4 583478	1 1972716	1 1977716 1 0059378 0 9847307	0.9847307	1,0389898
Phase-1 RCT-158	1.0982591	_	_	1.1548774	1.1469269		1.1314301		1070701	20000	97401046	A COOTS A 87401046 A 88258886 D 8119783	0 9119783	10187305
Phase-1 RCT-221	0.9580409	0.9612153	1.095486	0.995846	0.9702906		1.1619221	1.1619221 1.21547/8 1.0733043	1,0733043	100000	4 24 524 45	1.07.33043 0.33372 0.07 (31910 0.000000000000000000000000000000000	1 0025394	O 9504421
Phase-1 RCT-235	0.9249013	0.94620645	0.9249013 0.94620645 1.4035009 0.8939217 0.9704361	0.8939217	0.9704361	0.8576119	1.1285045	1,529525	1.5081833	2004000	1.2.1.2.143	0 007000 A 0000001 A 0000000 A 000000	1 1353787	0 8410685
Omanic anion transporter 3	0.929583	1,2796919	_	0.5060325	0.94626683	1.0071723	0.5839194	1.0345874 0.914652447	197595E0	1000000 0 000 000 000 000 000 000 000 0	+20000000	4 4 7 2 9 2 4 4	4 4422779	0 7007653
Matrix metalloproteinase-1	0.9343071	0.9343071 0.84529687	l i	1.110358	0.8168539	1.110358 0.8168539 1.1973447 1.0425521 0.9651782	1.0425521	0.9651782	0.985/769	70001130	0.33000004	0 6004609 0 84482343	0 84482343	1 0116594
Urinary protein 2 precursor	0.4992856	0.4992856 0.48683107		0.5021033 0.41164565		위	0.62361175	0.45497027	0.507.3469 0.70250160	0,102010	24750306		4 0439FEB	0 9715513
Phase-1 RCT-212	1.2218957	1.1195118	1.1763489	1.1240487	1.0815476	- [0.9319655	0.77701235	1.043643 0.9319655 0.77701235 0.6681351 0.6266631 0.71750390	0.6250631	0.77730330	0.7221010	Constant in	
									1	1				
(1) Gene expression data for 6 hour timepoint are														
presented as mean ratio of treatment/control for all 6														
(2) Compound and dose abbreviations as in Table 1.										_				
(3) Individual animal rumper														
(4) Liver inflammation classification for compound-		_								_			_	
dose group at 72 h; yes-necr, necrosis observed, yes-	_													
both, necrosis with inflammation observed; no, no														
75) Predictive gene (as in Table 18 and as included in														
Tokio 26)										1			1	

Table 28. Expression Data for 6 Hour Timepoint (1)														П
Compound Does (2)	CIS 2.5	CB 2.5	CIS 10	CIS 10	CIS 10	CLO 76			CLO 250 C		CLO 250	CL02.45		CL0Z 45
Arimal Number (3)	33	323	33	332	333	321	322	323	1841	1842	웊		2422	2423
Liver Toxicity Inflammation Classification (4)	92	£	2	2	2	2	2	2	2	2	2	2	2	2
Gene Name (5)	4 6765644	A 9C7707CA	2 0035564	4 2717438	4 4A976R5	1 835953	1 6682786	1 6886628	1.1164829	1,6894657	1.1699874	1,4766254	1.07835	1.3163824
Gadd 153	1.5692155	1.4777994	1,1664515	1,3535161	1.3058107	1.0652044	_	-	0.96089756	++	0.93742305	1.1182563	0.9448752	1,0050819
c-myc	1.1356846	0.8760836	1.3631748	1,3588105	1.2821947	1,4059875	0.74483806	1.078347	1.1188386	1.0494415	0.85483387	0.7265537	0.95674175	0.7177096
NIPK	1.2489318	0.9714177	0.97947276	0.8894091	1.0045447	0.9442859	0.9880772	8	0.83684846	0.8146/83	9.60313614	1,0000,000	1.2332701 4.0766659	1.000473
Cethepsin L, sequence 2	1.137992	1.2705058	1.4486492	1.6149896	1.8223121	0.9425534	1.1856511	1.0/41338	1,0163332	0.58293366	O GARAGIO	0 9824582	16913337	1 0439022
Herne oxygenase	3.0185418	1.3564284	1.5648824	0.95092815	1.0524333	1 5693303	1 8476527	1.6787325	1.3892442	1.4571643	1.1545787	0.96019506	1.1758571	12127372
Phase-1 RCT-115	0.8719923	0.9769983	0.82324713	0.8617486	0.92697245	1,2062409	1,2808794	1.0168852	1,3251543	-	0.97278696	1.1036202	1.1725092	3.93696374
Antinosuccinate hase	0.6047032	0.6987714	0.8085209	0.80780774	0.7143409	1.0030717	0.44145042	12496835	1.2846969	1,495419 (0.94476783	1.422001	1.1525767	1,3732553
DNA ookmerase beta	1.3011736	1.3075838	8	1.2837437	1.4401125	0.92101336	1.0625337	0.88504386	1.0620129	0.7759283	0.89522725	0.94444776	0.9975163	1,0304513
Phase-1 RCT-103	0.90710765	1.0842687	0.8456517	0.9198712	1.0287205	1.1358093	1.2582362	0.9490248	1.2248738	0.94496167	0.94355685	1.0671302	1.111638	0.9641302
Ribosomal protein S9	1.3376938	1.8795599	1.3775852	1.1259252	1,3819656	1.038927	1,3855789	1.1361225	1.0736456	0.769631	0.8284745	1.0253242	0.9713088	1.0116632
Phase-1 RCT-114	1,3336482	1.1144848	1.0011296	1.0114208	1.2195019	0.97873694	0.82476616	0.8723666	0.93594615	0.82371324	0.8675541	1.0654887	1.166638	35034/24
Phase-1 RCT-15	2.2203672	1.6124748	2,5848107	1.963651	1.8955631	1.1780736	352	_		0.9668541	0.3/55/020	1,3303233	1 1000052	1.1343434
Macrophage inflammatory protein-2 atpha	3,6259134	1.5/4163/	67/0199	055bC7°C	2.702033	1.361360 800 1.361361	0.7328391	0.73320023	0.90301324	7.14020003	U.S. COLOR	1	1	
NGF-inducible anti-proliferative putative secreted	1 8542887	1 2825193	3.728867R	4 5822396	5 0091543	1.108902	1.467495	1.0197836	0.9825646	0.7283962	0.9459561	1.048002	1.1530355	0.91202945
Phace 1 PCT-191	1.4928486	1,177994	1.3165503	1.2402531	1.1953826	1.0850513	0,6006803	0.93753886	1.0335693	1.117783	0.96251065	1.1842473	1.0848047	1.1426644
Dhood PCT-69	0.9707567	1 0627325	1,1661068	1.1261879	1.0542506	1,4071995	0.84232515	1,0587173	0.82982373	0,8681387	0.7113243	1.0211194	1.0045674	0.87348014
Cocin D3	1,3864926	1.4338998	1,0418196	1.634025	1.305988	1.0408549	1,1629982	1.0835088	0.9878961	0.72329503	0.7232411	0.9904946	1.1715337	1.0086765
Phase-1 RCT-108	0.95358986	1.0630416	0.9157331	1.4539068	1,0927906	1.1473203	1.0789755	1.0745275	1.0454593	0.8837906	0.9822095	0.8522633	0.720221	1,036143
Phase-1 RCT-56	1,5533084	1.3516098	1.1931298	1.4380406	1.6135039	0.74336684	1.005974	0.8661959	0.8954418	0.4760816	1.0730115	g	1.1762921	0.8900721
Phase-1 RCT-192	1.1538577	1.2775072	1.1905895	1.1901379	1.295087	0.98148954	1,0239148	0.98040277	1,0056438	0.95635176	1.012913	0.9012125	0.87105066	0.76940536
Phase-1 RCT-75	1,2807046	1.5780407	1.3445679	1,1163859	1.3550801	1,0085129	0.8116758	0.9229184	0.9956465	0.8213385	0.7747017	1.00311	1.15/5559	0.9998019
Acetyl-CoA carboxylase	12310108	1.6246902	1.0086026	1.0018318	0.8330166	0,9443953	1 1103008	0.8124099	0.90770644	0.943137	0.285200250	1.1002442	1,3209600	4 0656364
Phase-1 RCT-95	0.88535494	1.076667	0.8457597	0.897521	1.0046262	1.0843498	1.1053257	0.9296307	4.000004	0.309473	1 1053170	0.0991903	0.86689454	0.821432
Cystatin C	1.075672	1.4037794	1.1509601	1,35805/5	7.5000720	0.06736474	1 220037 1	4 3781005	0.0082702	1 1859583	1 0047665	0.86998576	1.067766	0.8586408
Phase-1 RCI 49	0.0735785	0 9074769	4 029709	1 0739773	0 808533	0.8598991	1 0074778	1 5626543	0.9749086	1,6369698	1,1816132	12554669	1.1010416	0.76764506
Gadd45	1.3935984	0.90531564	2.0765855	2.1534743	1.7632583	1,4377085	0.77062035	1.1678901	1,4709898	1.0246946	0.9917869	1.1511537	1,0001892	0.8837206
Phase-1 RCT-156	0.87928843	1.0262116	0.8483874	0.8755758	1.0171106	1.0381317	1.0546062	0.87720746	1.0274922	0.8753778	0.88870806	0.8946881	0.8584214	1.03506
Coffin	1,3358787	1,5345	1.469386	1.423429	1.7136378	0.98231125	0.8507432	0.8504774	0.9955664	0.8369832	0.9707712	0.97808835	1.0841657	1.0443633
Phase-1 RCT-127	1,6758145	1,3289052	1.443341	0.9583329	1.4268738	0.7991654	1.2295078	1.1102518	1.0005565	4 0007704	1,0664808	0.83/5/43	7786767	0.786654
Macrophage inflammatory protein-1 alpha	1.1628245	0.80317885	1.5/2/121	0.75593984	1.2641194	1.04/0961	0.6532739	0.360625	1.0000000	0 04521725	0 9199744	0 7587463	0.84956175	85434556
Zinc inger protein	0.8796079	1.1880 0	3.0201123 0 R7995213	0 84880465	0.916.38064	1 1911749	1 0821598	1.1916877	1.1047949	969877760	1.0779636	1.0677729	1.1294429	1.0452851
Chiamine symbologe	1 1382331	1.4118668	1.0244579	0.94585145	1.1529943	0.9984097	1,1699831	0.9126689	0.8225883	1.0531967	0.8729375	1.0046906	0.7456022	0.9876058
(24)-binding protein	0.8196399	0.7784235	0.82316214	1.072345	0.7397378	0.96455127	1.2008616	0.8601201	0.7414722	0.52302796	0.775379	1.0130826	1.3614047	1.1229963
Phase-1 RCT-242	2,30323	0.974168	3,7794254	6.070761	4.648406	0.97587514	0.7302912	0.9303653	0.98749566	0.90151435	0.9241944	0.8375161	0.83217695	0.8002071
Phase-1 RCT-50	1,667145	1.2421951	1.6245226	1.4912567	1.6132729	1.0215045	0.80988824	1.0130222	0.9042951	1.0352192	0.98896384	1 304/833	1.02/393	4 2014773
Elongation factor-1 alpha	1.0774795	1.1615913	1.0136976	1.0486158	1,202011	1.0200361	1.46.3056	1 2200412	1 0537393	11135844	11123301	1.3409257	1.1609395	1,1111859
megan berat	1 2503893	1 1167494	1 1649166	1 0380919	0.94196826	13210574	0.7695322	1,0088153	1,1096221	1.125197	0.8913377	0,9321231	0,9548619	0.9069224
Phase-1 RCT-59	1.4307327	1.0592649	3,1518254	2.462888	3.713464	1.104827	0.85027504	1.0224192	1.077258	1.0592402	1.235905	989069'0	0.98996943	0.82620686
Phase-1 RCT-76	0.83145	0.994307	0.79329	0.8570732	0.98541325	1,1872213	1.1403537	1.1291939	1.1703888	1,0176351	0.9766	0.8375465	0.8737258	0.76171285
Fenith H-chain	0.94968385	1.2013538	1.1310893	1.0276756	1.2717515	0.8541849 0.8118	0.81185335	0.79662865	1.0074964	0.74950796	1.0/45004	1.0560450	4.204.001	4 4052340
Selenoprotein P	0.6645769	0.9062002	0.8070896	0.75082084	0.8804153	4 4542044	4 000043	4 000453	1 0628766	1.067.247.10	0.9779508	1 1169279	0 94976854	1.067827
PTENMMACI	0.76264127	0.8353583	0.9004015	0.70031030	0.002/3/04	1 0219152	O RAZSAGA	0 6965664	0.9631545	0.78442377	0.81964827	0.9291552	0.99057895	0.98889387
Phase 1 PC 1-214	0.0001127	0.8954931	0.84607416	0.9720238	0.787743	0.7070087	0.7567854	10277928	0.95602006	1.0061638	1.0402288	0.8418069	0.78087777	0.77413213
Thymidylate synthase	0.9737663	0.9324723	1.8106767	1.848705	1.143121	1.0171559	0.8190426	6080056.0	1.0589908	1.1072227	0.945988	0.7496661	0.83152527	0.8798602
Phase-1 RCT-13	20117311	2.2180352	0.8881448	0.38110816	1.0349048	1,3237841	4.6348677	1.2842755	0.95663154	0.79866076	0.80745554	12350672	1.1068674	0.8936886
Nucleosome assembly protein	0.58782923	0.72010875	0.63013005	0.6103741	0.72491723	1.2080947	0.99892926	0.8471467	0.96756977	1,686349	1.3416393	4 4307600	0.7454016	1.298053/
Cholesterol 7-eipha-hydroxylase (P450 VII)	0.4078423	4 032655	4 4 4 3 2 4 6 2	4 0037014	0.2798733	0.78341184	1.0356333	1.017617	0.9309300	0 6831819	0.9218063	0.9279083	0.9926716	0.8476677
Vesicular monoarrine transporter (VMA1)	0.83342/1	0 898481	0.8783427	0 A586368	0.6012523	0 8035946	0.70348823	1.0974789	1.0012425	0.9266149	1,0335608	0.9400463	0.8739126	0.74059135
Mase Hu-cav	2011111	0,000,00		A.Consonnes	Under Section 1	2,000,000								

					002000	, 1000,1000	10004 4350	1 2705704	0.0000743	4 5807483	1 53542851	11712568	1.1627493	1.153833
Phase-1 RCT-32	1.1982865	1.1140105	1.1360576	0.8589768	1.0683783	1 1981069	00014/5	1.1353737	10345227	1.1877643	1.0111289	0.9881041	1.0807852	0.9385962
Peroxisome assembly factor 1	1.017/210	1 0239644	0.30477463	11159245	0.786319	1.1077858	3,9777014	1.0878283 0	.84503925	1.0108324	0.863728	3,94396424	0.901842 0	.88367873
8-oxoguanine DNA glycosytase	1,000000	0.0546336	0 030344	1 0486693 (19060576	0.9461124	0901719	1.0111241	0,9453846	0.968136	1.0821024	0.9561508	0.9802937 0	82462406
Phase-1 RCT-82	0.093841	0.90043323	0.303014 0.6446776	0.4448504	0.46634138	1 3445771	3308437	12905667	1,0815248	1.1103336	1.2030895	1,2865145	1.3301774	1,3805434
Matrin F/G	4 400063	4 4408252	1 1608063	1 245173	1 1198003	0.9191617	0.8798335 0	.84614325 0	0.91629833 0	0.95230025	0.9465497	1,0986732	0.88285434 0	.98130685
Prase-1 RCI-184	0 544033	0 R0019055	0 53078234	0.5121778	1.44799334	1.0402095	1,3195096	1.0798941	1.104003	1.0789691	1.1120517	1,0144646	38927546	10412582
Phase-1 RCI-168	0.0497675	0 8560834	0.6704112	0,6299486	0.6250264 0	0,55761653	0.8699736	1.082693	1.0445286 0	99463254	1,0852857	1.1677629	0.95187785	1.0818635
Prinse-I Rolling	0.49149778	1.0187402	0.6542619	0.8809629	0.7144324 0	.86422074	0.6824883	0.991368	0.9986314	0.990253	12054516	1280//38	1.86/016/	1 3/06/4
Tortoban Portoxdase	0.8750411	1.1159321	0.91397977	1,1211963	1.0405108	0.9023335 0	98495317	-	1.0754423	0.7199513	0.5398350	1.330332	4 4855557	4 4384043
Phase-1 RCT-71	0.8778606	0.98743224	0.8550908	0.9017765	0.92709196	0.9488192	1.0501238	1.0601636	4 4 300447	0.0664941	10256494	10455304	1.0676757	1.0275779
Phase-1 RCT-179	1.5393965	1.5649978	1,8167458	1.37526	1.7858474	1.1558181	1.4034419	0 6294725 (0 97054386	1.1194715	1,2595773	0.7993948	0.8937158	0.8002781
Phase-1 RCT-161	0.6400846	0.9292438	0.93222624	U.Sepanosov	2 2449007 0	200041	0.0005007	13133621	1 0316937	1.5294598	1,3800668	0.9013122	0.90003455 (91081434
Phase-1 RCT-207	1.1799663	1.1396152	2,30012/3	1.2034300	140300	90440	1 505084	1 1756432	1.0570142	1.068542	0.9395442	0.9311223	1.1164908	.84731406
Phase-1 RCT-144	1.760144	1.4925249	1.086300	1,039181	4 0000001	4 4783477	1 2785318	1 0276109	0.9116357	1.4018592	0.67126876	0.27180848	0.579256	1.1403403
Phase-1 RCT-225	1.7483437	1.1241944	75076	0.64404766	0 CB44204	0 6991042	0.5652058	1.0769557	0.9459211	1.1777763	1.0346562	1.2748483	0.37835842	1.2014453
Cytochrome P450 2E1	0.013/200	1 160696	0 R342257	0.891918	1.0084596	33946	.90255344	1,330385	1.0680745	1.2008054	1.1852457	0.77023864	0.88477945 (.97271454
Thorsedwin-1 (Tred.)	1,0990372	1.3200029	1.2004397	1.3720689	1,5935584	1.148264	1.5803232	1.0829506	1.1610906	1,0985358	1.0781599	1,4042255	1.390/342	1.0580704
Carbonic anhydrase III	0.27920073	1,3774656	0.48292235	0.64653206	0.51957417	0.8177142	0.4862387	7.59685946	1.2433301	891110,1	Janoor L	1.10/3203	0.0000000	O GREERE
Phase-1 RCT-140	0.8957835	0.85527575	0.8859382	0.8294315	0.76938623 (0.95410043	0.8143949	1.0283586	0.8569467	100033270	0.737046	1 2194959	1 3211685	1 145472
Complement component C3	1.1137679	1.2642776	1.0356584	8873435	1.065287	1.0015546	1.320.3823	1.020203	0.00210000	1 2220505	0.9930557	0.76898193	0.6701633	1,49752957
Glucoldnase	0.8685898	1.9152843	0.8090051	0.7899045	4 4004764	0.0000473	03468773	1 1374375	1.0994816	1 2526715	1,3574352	0.8154906	0.70991	0.9211103
Phase-1 RCT-173	0.80469817	0.93105/3	4 0060567	0.00132134	0.841997	0 9192681 0	71195257	0.8869502	0.90355504	1,0320196	0.97521454	1.0246233	0.8830632	1.2065557
3-methyladerine DNA glycosylase	1,000000	1 2428923	0.837,6581	1 015255	13469954	1,635029	1,4449558	1.1875936	1.485648	1.1685367	1,2926756	1,2339665	1,3282776	1.2846198
Peroxisomal multifunctional enzyme type II	0.0357773	1 333961	0.8317008	0.7415124	0.9939089	0,6926498 0	92413175	3,66609836	0.69893986	0.62836045	0.85806945	1.572512	1.6342572	0.9743053
Phase-1 RCI-40	0.69696593	0 9826746	0.4342715	0.42317817	1.0299826	0.7542052 0	0.98381203	3.92535377	0.4211526	0.47486246	1,1090428	1.4753989	1.0794756	0.8026514
Seriescence marker protein-30	2,587,5628	2.8529127	6,4126663	5.5224924	5.7263427	1.2905228 C	1.89432514	0.9488641	0.9674813	1.4618573	1.0295708	1.0565988	0.8300976	1.071694
Melanoma-accordated antinen ME491	1.136686	1.1213249	1.1245394	1.2892827	1.574742	0.9445653	1.0286773	0.8903634	1.0222632	1,4581567	1.0210073	0.77003316	1 0740943	1,004010
Phase-1 RCT-28	12132034	0.9113279	1.0682253	1,065	0.68080753	0.9157772	0.6878427	1.0166689	1 114056	4 3014317	144523	0.93454385	1,0051886	0,9867944
Emerin	1.1119928	0.9929712	0.97980696	1.1339457	0.8230648	1,3849081	1.427.28/3	1.74341UZ	0 R242767	13005077	986066560	0.7351017	0.6625169	0.90207726
Alcohol dehydrogenase 1	0.37811628	0.38786966	0.254639	0.35323507	0.83866316	0 8919016	1.89423805	0.9643994	0.8036336	0.60850435	0.92552346	1.378464	1,0391836	1.0146534
Stem cell factor	1 0799203	1 1541014	1.1828916	1.175399	1.0523729	0.8594485	1,6736104	1.14721	12225046	1.192188	1.1432914	0.8378459	0.6344268	1.1734259
Design function wheetherse sinhs	1,1231606	0.95421386	1,1187487	1.1883307	0.8225234	0.896317	0.8496946	1.003519	0.9195465	1.1581126	1.3740419	1.2201928	12240347	1.1151724 1.10204EC
Physical RCT-55	0.71084166	0.90699506	0.6908924	0.8838809	0.82383484	0.9664424 (0.97313195	0.8962677	0.9402393	1.3462803	42/0/2/64	0.9672162	0.7200304	1 212313
Ublouttin conjugating enzyme (RAD 6 homologue)	1.3759131	1,3615159	1.344485	1.2133102	1.3712791	1.0965292	1.4055922	1.1337833	1.1046615	0.92007130	1 73056	13459347	1 3590252	12516785
DNA topoisomerase I	1.2730944	13691139	1.067189	0.98503023	1.1193869	1.0833394	1.46/3020	1 0030196	1 0198756	0 8127384	0.8144099	0.97131705	0.8575961	1.0165477
Phase-1 RCT-280	1,0801717	0.8274566	1.1065344	0.04003400	7 5745307	4 3787783	17769671	1 3459438	1.2521008	1.326852	1.0989552	1,403422	1.2593702	1.1555072
Superoxide dismutase Min	3.100952	2.1/8000/ 2.15(7)04R	1 840399B	1 301003	1 8635764	1.1354531	0,5927039	0.8883524	0.88120365	0.86189705	0.8316839	1.3929935	1,3820385	12515024
Beta-Libuin, dass 1	0.36624694	0.8223444	0.5116147	0.51579076	0.5191256	0.53544754	0,8919102	1,0297427	1,1055381	0.9569001	1.0804997	1.4437622	1.1488606	1.4089506
Discolored kinase zela	1.0154194	0.892566	0.77519596	0.825828	0.87211144	1.1575936	1.022758	1.1661378	0.96593356	1.2952319	0.874978	F103/80.1	1 2547271	0.04312775
Phase-1 RCT-141	4.898293	4.997591	3.9264975	3.4651864	3,8148494	1.3525484	1.639645/	1.1249222	4 0450435	1 0489594	10482322	1.0635517	1.0038257	0.9986565
14-3-3 zeta	1.1328411	12869604	1,2892867	1.2460713	1,5517802	1,2341656	4 422728	0.864487	1.0365424	0.95585155	0.7914147	1.0893161	0.72465044	0.7319123
Gamma-actin, cytoplasmic	4 0006408	4 0786775	4 4738036	0 9829432	1 1535915	1.7683101	1.7414174	1,6344805	1,3664813	1.4455322	1.1761609	0.99034566	1.0289431	1.1326166
Ribosomai protein L13A	1 2750894	1.4622005	1,6536591	1.3341609	1.5498222	1.0782355	1.3992164	0.9395821	1,2361565	0.9295104	0.8505705	1.0757108	1.0812094	4 0000375
Phase RCT 65	1.0884659	0.9324543	1.0161432	0.9659664	0.9840442	1.0599922	0.6264915	0.9000595	0.9948198	1.150421	4 0040722	7 2540528	0.0682853	0 9591188
c/m	1.7973676	0.6263295	1.4880482	1.859949	1.1067829	1.2352223	0.87554127	0.985602	1.1416682	1 5507555	1 1838682	1.5093719	1.3212972	1.0827298
Protein O-trannosytransferase 1 (Pont1)	1.0426499	0.8992659	0.8865583	1.1610253	0.74700415	1.1990967	0.9231983	1.1810055	1.0650053	1.4385532	12139932	0.8391464	0.7904911	0.97306406
HMG CoA reductase	4 2484048	4 0478282	1 0188113	1 0373377	0.9743281	1.1471839	0.7148386	0.94696796	1.0334802	1.0506899	0.9575948	1.1123463	1.1123172	1.0282808
Priase-1 RC -1.6												4 0075007	4 2490020	7047407
(PC4)	0.9431457	1.1955168	0.9615454	1.1182783	1.1427512	0.9723983	1,4994612	0.97149396	0.88102674	4 0478544	0.//481//0	1.00/300/	1.3592848	1.2858833
Gluose-regulated protein 78	1.4733548	1.3628929	0.67041415	0.49749774	0.80605847	1.5285618	1.7959173	1.1128383	1 0359262	0.8313455	1,0069315	0.7170981	0.99408245	1.1695011
3-bela-hydroxysteroid dehydrogenase (HSD3B1)	0.5216856	0.76526064	0.71897584	1.70842016	1.0780700	0.8797774	0.8247346	1.0478537	0.9479893	0.98094803	1.099585	1.0658331	1.0522219	0.97871345
Caspase 6	4 0227743	0.03000	0.6616225	0.913848	1 1546594	0.94030696	0.81932473	0.94260705	0.92566025	0.8323792	1.0193197	1.1016575	0.89328116	0.9075969
Phase-1 RCI-169	1 22300	12207997	1.7883906	2,8310745	2.6738167	0.96203023	1.1354459	0.85036236	0.90171874	1.0155311	0.9051011	1.0756719	4 4460652	4 3690507
Diese 1 DCT 34	0.4376034	0.69765484	0.61477965	0.8247668	0.64839584	0.98702914	0.9411096	0.9181494	0.9842579	1.2005953	1,1281/08	2.0779154	1.1109033	1,00000.1
LIBRAL INC.														

											1, 1, 20, 10, 1	1 000001	0 001717791	3000000
Phase-1 RCT-72	0.8629629	1.0580403	0.8638771	1.0756698	1,1189767	.91570616	0.8688906	0.922/018	0.9718088	1,0326351	94791126	11126273	1.0659025	94007987
Pyrivate kinase, muscle	0.89339064	0.67188096	1.1697266	1.0343255	7000404	1.1389663 0	1 2842342	1 112614	98251754	0 9455362	1 2049348	0.8710663	77230084	1.2460606
Phase-1 RCT-288	0.58678395	0.83443830	0.51364607	1,330/44U4	0.700904	0.0770763	7446764	0 00003067	0.0442072	1 0849445	1 0146533	13722494	1,0845369	85519268
Phase-1 RCT-90	0.927218	0.9858703	1.0214585	1.123688	0.56333/8	20/0//00	0.1440/34	0.9003237	45493778	48538234	0.6713862	1 2220938	1.6980299	1 2391876
Cytochrome P450 2C39 (alternate clone 2)	0.8057108	0.9821331	0.57619107	0.7035/34	0.0000000	0.800/84Z/ U	4 0030040	0.0001111	1 1629633	58477783	1.0988867	0.919219	0.8596314	0.8720532
Phase-1 RCT-290	0.6938864	0.86821175	P. 10194	0.8300337	4 4556935	0.00110000	0 82286474	0 971980R	1 033597	0.8387784	97742828	0.0847265	1.1038551	1.0822762
Phase-1 RCT-261	1.4778188	1.5472262	13435634	1.4592756	0.486885	4 0704368	1 1265297	96571565	0.9720516	0.6466905	0.6883565	1.0766354	97692364	1,1625342
Methylacyl-CoA racemase alpha	0.7/8/1015	100000	4 4 8 8 2 3 9 9	4 240055	0.40000	1 156323	1 106506	1 1396034	0.9298936	1.3625691	1.1294746	0,73217535	0.75932866	1.0551105
Cytochrome P450 1A2	1,0209300	1 186804	1 0635538	1 8859891	1 033795	1.1963573	1.0995524 (3,81968373	0.8437095	1.2474474	0.9620198	0.7372205	0.8639898	0.6118214
Phase-1 KCI-29/	0 81205237	4 47R5054	0.89787656	0 8893734	1.0987891	0.82037014	1.3623731	0.95480645	878	1.0192208	0.9435951	1.0493203	0.7675427	1.0816998
Monoarrine oxidase B	0 6642591	0 7428516	0.63862526	0.9444551	1.050012	336655	0.93146604	0.773061	0.61757016 0.50	50839744	7.7865463	1.1716379	1.4752249	88850134
Mass-1 RC 1-204	0.034E031	0 74248284	0.7344958	0.6858305	0.5856412	752963	1.1071922	0.8844312 0.99293786	3.99293786	1.3650321	.88495606	0.84808296	0.6568345	0.9971213
Percentie profite authorized i cocourt politica	1 0080425	1 2087666	10192534	1,2180135	1,2609415	0.7863739	0.9772867	0.8084641	0.92736244	0.7925439	0.9605458	1.0482369	1.044834	1.0308981
Present CI-145	0 794014	0.7474343	0.7805793	0.76632154	0.987206	0.89168316	0.70365626	0.7025592	0.7309502 (71509457	0.7259823	1,0031557	0.87652296	71270335
Phose 4 PCT.147	0.8291213	1.0282141	1.0032374	0.5201949	0.85130614	0.6144089	1,5565388	1.0263711	0.96136534	7.79808944	1,1089464	0.8430691	1.0735561	0.8875159
Cidathing C transferred thats-1	0.91027534	0.98763525	0.82913855	0.720133	0.94393563	0.9586877	1.0283222	0.66939116	1.0132132	0.8737766	1.1285865	0.9491796	0.8449658	. B.30b.3924
Disco. 1 PCT.01	1,0950375	0.9424582	0.9885333	1.1085532	1.2480153	1.1342555	0.9934396	3,98568904	1.0835987	0.9678169	1.0491802	0.8365621	1,03//32/	1,00765/2
Prese-1 RCT-148	0.56067866	0.8269539	0.6262589	0.71797717	0.7754174	0.8505417	32836213	0.8339796 0.93	0.93419695	1.0700203	1.122233	20/06/	0.1827806	0.0022289
Phase-1 RCT-142	1.048766	1.1107287	0.9045218	1.016459	1.1100157	0.988783	1,0327874	0.960067	10389773	1 2023/60	4 4009770	0.0018437	0 8761268	R7932944
Activin receptor type II	1.05148	0.8088569	1.1684113	0.8277551	1.6149296	12389411	1,0863955	1,1349468	1,0011100	12023400	1 0000842	0.80720866	0.3778584	1.0197664
Glydine methytransferase	0.74219596	1.313471	12214365	1.0314379	1.256435	0.98216045	0.5387548	1.050504	4 4 4 77307	14176600	07/136518	77079090	0 84335816	79290783
Phase-1 RCT-281	0.9252181	1.0425409	0.83969545	0.86259073	1.1987845	1.0939741	1,0004561	0.3830234	1.147.207	1 0428696	1 0111909	0.8114206	0.8776254	0.8625587
Ciliary neurotrophic factor	1.1793779	0.86645406	1.1355479	1.0600625	1.0172067	0.9596463	1.1/30044	0.300000	10000	- The same				
Gap function membrane channel protein beta 1 (Glb1)			100000	0000000	0.00000	4 4420,000	1,0010674	1 2515248	1 103773	0.9831645	1.0361993	1.385207	1.3240503	1.272104
	1.0417587	0.82808136	0.8893337	#1#160660 C3001060	#14100cc	1.1420004 A TEEDOCAE	001016	4 0500020	1 014997	1 99797416	1.0005274	0.8765611	0.89700574	76737605
Phase-1 RCT-96	1.1/8535/	1.1004672	1.0727033	42000013	4 00000	4 4547555	4 2045815	1 0615433	1 2287438	1,0080564	1.1650683	1.1046329	1,171368	98925886
Phase-1 RCT-287	0.92861736	1.0541203	0.9186191	1.1302222	1.093930	0 89961237	1 0805694	95884585	1.1388108	1,0685061	1,3309554	1.1117773	0.9667305	1.1738935
Retinal-binding protein (RBP)	0.8974657	1.1330043	0.00030173	1 4577007	1 1 276766	4 0600444	1 5487369	1 0959177	1 4159844	1.1741703	1.2004079	1.0113883	0.9523557	1.1210034
Very long-chain acyl-CoA synthetase	0.8590678	0.901/531	0.84569316	1.1377097	4 2007064	0 8000775	O BENZOAG	0 8019077	0.8199686	0.77898353	1,0044742	1,028858	1.1101967	1.1671968
Syndecan-1	0.9101388	1.1051592	1,0033130	0 0604805	0.8708012	4 04R7939	0.7861063	1.1903605	1.0519509	12306954	1.117107	0.9168227	0.9340583	0.8495793
Statumin	0.7747174	4 3706400	4 5440444	1 0513130	2 0686297	1 1486185	1 2856597	1 1291814	1,1149875	0.9582374	1.0637333	0.97729695	1,1140467	96327394
Phase-1 RCI-145	1.020303	4 0058248	A 7842018	0 7701309R	0 8794173	0.7204387	0.99701697	1.002877	1.0504351	1.0007964	1.1022227	1.0128787	0.96236026	1,0426081
Axin	0.5612365	1 0560865	0.6054506	0.59176046	0.71531796	0.72819173	1,2494148	0.846978	0.8334497	0.8047523	1.0262134	1.0109239	0.8707323	1,0028595
President No. 1 of the Arthur	1 0225002	1 0362289	1.0038043	1.0730094	0.93566436	0.93627053	1.2452916	1.0652164	0.99920475	1.0909557	0.96657735	1.1402038	1.1398048	1.0164636
Appa, 2-marmololydio segrence 2	1 2089303	1.0340519	1.2915121	1.4530298	0.99905163	0.77477133	1.0868514	0.96658945	0.9797861	0.9995096	1.0116988	1.3936995	1,0886897	1,094/844
Phase 1 RCT -204	1,0805084	0.9647512	0.903746	1,0038626	0.97057414	0.9136368	0.89955723	1.018074	0.9753441	1.0067638	0.9410997	0.9762682	10234381	1,0500001
Vascular endothelial growth factor	0.68076774	0.75548214	0.7148071	0.7861106	0.56574994	0.96012014	0.7723611	0.90812856	1.0053053	0.9894451	0.893/399	1.15604.34	1,002,301.0	1000011
NADP-dependent isocitrate dehydrogenase, cytosolic					20273020	10000000	0 00 500 64	2000 0 10	O GOOGEDAR	0 8934565	0.8368779	796838397	1,1040357	0.9525166
	0.65791476	0.9430142	0.5803416	0.6742474	0.739/6/	0.96403944	0.35520	4 4874944	0 9795033 0.80	0.80089563	0.9671007	1.0538318	0.8878122	0.8778066
DNA binding protein inhibitor ID2	0.6023634	1.4854563	0.0000301	0.000000	4 4470643	0.8617315	1 3034561	0.80232316	0.87287724	0.5347839	1.058779	0.81127	0.99363825	1.4384968
Glutathtone S-transferase Ya	79074000	0.33763903	0 7019669	0.6492111	0.83347976	12772062	20622501	1.7030207	1.1254239	0.61103505	1.0873821	1,3234631	0.83844155	1.0580969
Epoxide nydraisse	0.6536497	0.8339018	0.8054989	0.63886297	77075160	0.7642107	1.0022198	0.9182281	0.79973733	0,5013182	0.9503169	1.1274859	1.5043546	0.83789575
Descriptionals Machines	1.3608649	0.99436605	0.9320275	75 0.90280515	0.9611812	1.270981	0.50440437	0.86474586	0.99491256	0.91869416	0.8562222	1.047901	1.05229/8	1.0111836
Phoen 1 RCT-436	7608536.0	0.9525828	1.0147219	0.7783922	1.2109988	0.9291206	0.9481702	0.8074209	1.0016807	g	0.96/2//05	0.8549121	0.00313278	1,0207433
Phase-1 RCT-137	0.05872954	1.1528919	0.9559294	0.903216	1.093963	0.7519013	1.045111	0.8868398	0.76728654	0.64364016	0 0.07 672010	1 0277383	1 047497	0.973958
Phase 1 RCT-138	1.0056984	1.0574744	1.0106424	1.0177664	1.1934484	1/10808.0	0.5224133	V020080	0.0584666	0 55582917	0.70573664	0.9133857	1,0216261	1.0383813
Hepatic lipase	0.7598854	0.79817367	0.61000425	0.7121565	0.89187783	1771018.0	0.8782030	4 0513005	1 0111662	0 9533567	10747262	0.9503784	0.94743603	0.9829991
Phase-1 RCT-164	1.1743884	0.98624337	0.960647	0.98839194	1.8264426	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1 63176	1 5386899	1 4657246	12987243	1.4188348	1.2368846	1,2803661	1.1040077
Acy-CoA dehydrogenase, medium chain	0.80593276	4 4852027	4 245007	1 2510158	1 2920611	0 7295564	0.8365453	0.8035434	0.77116287	1.0357497	1.1541095	1.245149	1.1137509	1.1764238
Gluathione S-transferase Yoz subunit	0.0535656	1 0353567	1 4206936	0 9893056	1.1473849	0.98193425	0.83706814	0.97175205	1.0835791	1.2475194	0.9822595	0.83381957	0.80534935	0.84686404
Cardony reductase	0.8519327	0.6999407	0.7383644	0.8850522	0.68102765	0.9310751	0.77876866	0.70742315	1.0585731	0.9285616	1.0740451	1.4846252	1.0760524	1.4132988
Andinometria E	0.93730193	1.2259277	0.958032	1,2279291	1.4155798	0.80221814	1,3501159	0.93356854	1.0339267	0.75823104	0.8124917	1,0235982	0.500465	4 3248907
UDP-ducuronosyltransferase	0.6053834	0.88564086	0.4521412	0.91417533	1,2204183	0.8427236	1.0438448	0.45/0962B	0.46/81/8	1.230000	0.02723033	4 2454667	0 96933603	1 2284768
Glutathione S-transferase P1	1,5499786	1.9504733	12755984	1,2407333	1.5297692	1,0307723	0.70720418	0.97618085	0.055/305	0.50005500	0.81686544	1 1721306	1.2545098	1,1009538
Disulide Isomerase related protein (ERp72)	1.6687868	1.6203547	0.6238149	0.7671449	0.702057	1.1181145	4 0745302	0.0505051	0 90477704	0.97396046	1.0168904	1,360479	1.2925575	12323931
Rithosomal protein L13	0.9681893	2,4720516	1 568218	1.5140777	1 7608093	1.094526	1,4058495	0.87041336	0.78834014	0.6499764	0.7230058	0.895374	1.1555035	1,0663055
Cerdopasmin	4 6596299	2 (254137	1.3853123	1.3422761	1.258371	1,6000475	12727708	1.1006199	0.92102575	0.66093695	0.70234084	1,34704	1,920765	1.425565
Inter-alpha-mnotor m4 neavy quant truth	1,0000	-												

		10001000	4 4000 4000 41	4 00000	CC30370 V	0 0947046	O RERATOR C	OK401226 (R4823457	1 05484141	0.9108864	0,9149398	1.0078384 0	85833436
Phase-1 RCT-3	1.0023102	1 0481687	0 8687275 0	62390584	1 0392927	0.985811	0.9817707	0.9454279	384354913	0.66647553	0.7772396	1.0333843	0.8583672 0.	97309715
remin beta (remp)	0 84 18526	1 383831	1 R9462394	0.956976	1.0798026 0	76131326	1.1351656	89741313	3,86486644	0.86434823	1.1266035	1.18743	1.0884122	2363414
3-hydroxy/sooutyrate denydrogerase	0041118	1 0487441	0.8428175	82797695	1 2157135	1,1161162	1.2260107 C	187573135	1.2814063	0.8027306	0.8258844	0.79209924	0.7269436	1.0682459
Carbonic annydrase III, sequence 2	300000	4 072258R	72690815	0.8507194	1 0977373 0	B0691123	1.0608276	1,0189906	0.8595983	0.82612914	0.9763483	0.84325767	.85874087	1.1835347
Frase-1 KCI-10	O SAGOTES	1 0937052	950.777.00	82118577	1.4160643	1.0123276	1 232 1903	1,1696905	1.3915046	1,2226871	1.7825247	0.9090282	1.0393802	3.8566074
Appra-z-mcrogionum	7000000	2436376	0.05313513	0.82749534	0 8241515	0 8213951	1 0888954	1,0509919	59954157	0.97917336	1.0162338	0.97690296	0.9384281	9808081
Dynamin-1 (D)(0)	4 (705/1838	R3070877	30,5			5619	0.45758426	0.9730282	0.9339858	1.122372	1.0811367	0.7740591 0	.84748805	3.9820057
Lysy oxidase	0 4430404	0.000	O Kankhoo	34865	0 54416084	0 5776445 0	89976877	1.0621316	1.1413773	1.0041705	1,0606766	0.9906409	1,0744127	1,353348
PRIBACI MC1-232	1 1996621	10160234	0.9989376	88	895295	1,1956698	0.8970807	1.0218439	0.92260057	0.88690645	0.9278083	1.0541471	1.1294467	1.040101
Dham 1 DCT 278	1.1387458	13459615	0.90492356	1.1689148	1.1540174	1.2189206	1.1556851	1.1790813	0.89711857	0.63648057	0.7773977	1.0954565	1.3053411	05952038
PHESC-1 POT 42	0 9227326	0.88356686	0.7224893	0.8267304	0.8438765	1.1866771	1.2215459	1.1504073	1.1105798	1.1948313	1,1535378	0.95198923	0.9318098	0.9200577
Dhasa,1 RCT.26	1.0827335	1,060758	0.9553983	1,1275384 0	0.95692307	33103114	0.8863662	0,8892895	0.92985475	0.8434362	0.96493924	1.0188645	1.0205524 0	32682383
Coordinate BASA 2C11	1.1374034	1.1230664	1,6298933	1.2072562	1.0282774	1.0537816	1.0582864	0.9872578	0.86585337	1.2740748	1.1742127	0.8667235	0.8402381	1,0024765
Phase 1 RCT-202	1.0024682	1,3143045	1.0065697	1.0360368	1.4119371 0	3,85261583	0.9345258	0.8167097	0.9781077	0.9629069	1 2333449	1.4566644	1.320509	1.1314332
Complement factor (CFI)	0.9715983	1,4136932	1.0029222	1,1517541	1.1115294	0.7653771	1.0726308	0.6203888	0.745924	0.6723439	0.6223845	1.2823112	1.2183339	01400000
	1.0850874	1,0372772	1,3832303	1.2763162	1.033595 0	0.99157727	1.1778843	1.1405118	1,0001537	1.0748879	0.90/06.0	075/370	1,002331	100330304
Activating transcription factor 3	1.0546737	0.8149502	1.0794685	0.9563219	2,1110792	1.2880273 0	76143867	1.1390245	0.49204215	12822056	1.13390/3	1.17.34220	1,027,2030	0.03543477
Focal adhesion kinase (pp125FAK)	1.297927	1.0777004	1.001217	1.0490468	.94661987	0.98030587	1.1272535	1.0019656	0.9672682	0.88343726	4 202424	1000000	2002	1
Phase-1 RCT-289	0.70833826	0.9783509	0.76727617	0.71886444	0.9467017	0,90605485	1.1170591	0.95765904	1,0622177	30 0 10001100	12000A	0 873404B	1 02601	7021-207
Phase-1 RCT-259	1.2569708	1.1593924	1.0640799	1.544615	1.3743666	0.8584392	.B4677166	0.8351197	4 04 05 444	0.0440324	1 000017	1 0631104	1 1880523	10323111
Iron-responsive element-binding protein	0.7290085	0.9552711	0.6928353	0.9271944	0.9041993	1.3//4465	1.3186419	1.201097	1 0314152	1 143RG19	0.9624208	1 1995666	1,4804423	1,0184325
MHC class I antigen RT1.A1(1) alpha-chain	1.3110204	1.1089827	13/44236	1.65259.1	1.2000493	0.700,000	4 9789538	4 0654453	1313287	1 1684697	1 2463592	0.8505971	0.6396433	1.1765555
Any sulfotransferase	0.8108145	1.18/38	1.2423502		1.0030/10	0.102333	4 0000045	4 0645007	4 0530837	1 3181348	1 0578984	0.82832897	0 296597767 0	92670846
Phase-1 RCT-171	0.78821903	0.8294456	0.8413856	0.8097838	4.000400	4 0407769	1.00/2213	4 0191418	1 0352876	0 61197454	0.75794166	1.1073446	1.6022089	0.9101229
Phase-1 RCT-83	1.4208825	1,520536	0.95/715/	1.6482352	1,000406	1,013/200	70005701	1,0191910	0 6657512	0 47016996	81056260	1.4407829	12062541	0.9330898
Phase-1 RCT-270	0.44763565	0.8484456	0.56169635	1,09111807	1.614/4186	10000000	1 105257	0.0043031	0 9025788	0.9446178	10724951	1,0004191	0,89941794	1.1332531
Colony-stimulating factor-1	1.1560817	1.19813/8	1.0694802	1.1183804	1.1/2/03	1,004,045	0 0782360	0.007 1931	1 053141	1.0104719	1,0302268	1,1223911	0.8059357	0.9506587
N-cadherin	0.64149374	0.73367953	0.6358154	0.65581375	0.65056703	1.1210304	4 4476964	4 111RERO	1 0305683	1 3656489	1.093499	0.89739704	0,8980396	1.130849
Phase-1 RCT-62	0,6665/3	0./0828915	0.00/92494	1,000,000,0	0.00767	0.37.207.470	0.147.0004	0 0556444	4 0494661	0 8941246	0.94648343	0.89697236	0.90437573	0.9494931
Phase-1 RCT-22	1.0924978	1,0000240	4 4403708	4 3055013	0 8208142	0 9548394	1 061699	1.0325601	0.9239421	1.0214568	1.0522934	0.98266524	1.0041664	0.9720713
ATS	1.2040401	0.0020400	0.0540367	O SOURCE OF	0 8840186	0 9361278	88168573	0.98587734	0.9673203	0.9994537	0.942918	0.8590237	0.9421533	0.8213382
Prase-1 KC 1-18	1 0553854	14744744	0.92569864	1 0203613	0.8938387	0.9630592	382941365	0.9803798	0.9675326	1.0007063	0.91423506	0.81384635	1.03213	0.8974399
Phase 1 DCT as	0.5329588	0.8721499	0.5385245	0.49118313	0,37432134	1.0181289	1.3087037	0.96037096	0.8587025	0.8853228	0.99029034	12130069	1,0915351	1.083338
Emitheative attraherzythiomosine-sensitive												3	00000	0007000
rudeoside transporter	0.6776803	1,0758263	0.7597561	0.84169644	0.8603395	0.85631454	0.9914453	0.95101404	0.95942134	0.76507765	0.9415851	1.0148141	73080896	4 253775B
Glucose transporter 2	0.41103432	0.69196534	0.8351827	0.9265834	0.7700372	0.6535617	1.0915757	0.5616241	1.000593	1.142383	0.6784304	4 3945939	4 0658422	4 224 2223
Multidrug resistant protein-2	1.0311834	0.88208574	1.8552533	2.5616286	1.9034702	1.1746423	1.3900396	1.1634701	1,2561334	1,654316	1.134/020	1 3255619	4 0589719	1 4592414
Multidrug resistant protein-1	1.2438917	0.9502645	2.9911523	2.897808	2.7541478	1,5689169	1.0108095	1.0120044	1.101/581	1,5093138	0.7007023	1 2728688	1 389 1957	1.0738508
Phosphatidylethanolamine-binding protein	1.1857343	1.1784271	1.3102947	1.3584665	1.2186543	4 0004000	0.8822333	0.0001179	1 0611488	0 7903211	0.8930684	0.92858243	1,1221172 (.92681247
Phase-1 RCT-180	1,5399216	1.4324013	1.4023032	0.33330034	0 8703777	10781981	0.6644433	1.0005049	1.0486491	1,0890344	1.0320821	0.8675053	0.8653471	.85466385
megra bea-4	4 1550501	O SARRYOU	1 2946115	1 1291336	0.664258	122647	0.45141283	0.91737604	1.0737891	1.570174	1.0759631	1,5539337	1.6060357	22260168
WADTH CYCATCHES 1430 OXIONEUCCESS	1 5035222	1.2838515	9.50907	4.08928	3,4621618	0.9517542	e.	0.94106764	1.0340734	1.0175556	0.9414895	0.79824746	0.93652624	1,67857017
Endonmore retroviral sentience, 5' and 3' LTR	0.8812835	0.96220666	0.54682577	0.86760324	0.96978414	0.96709824	1,0548	1.0914398	1.0184007	1.1085277	0.89741164	0.85157907	0.6470763	0.35/8548
Phase-1 RCT-53	0.77456695	0.8594768	0.76014884	0.7461311	0.8260678	0.99939994	0.9997741	0.92757857	1.3110704	1.0722706	0.9424229	1,0340971	1,083173	0.8222494
Phase-1 RCT-54	1.1633196	1.1845413	1.1448398	1,3009937	1.4471786	1.2299266	0.97859174	1.0133678	1.0325/6/	1.0463672	1,035,002	0.037.00424	09174367	6000F125
Phase-1 RCT-240	0.83728135	0.99963015	0.9116349	0.7351872	1.2933073	1.0204208	0.87850285	7012051	1.07.30342	0.3530113	0.96190566	1 0227998	1,0091563	1,1701543
Osteopontin	0.9193125	1,2305849	0.94447535	1.0964407	1.1835415	1,000602	1,0/4350/	0.7616151	1 0481932	1 2706589	10716151	1.50283	1,309006	1.1306579
Organic anion transporting polypeptide 1	0.8308351	0.88/0395	2 4750684	4 8422882	9 9365993	1 0363545	2.106861	1.1297251	0.96274424	0.673853	0.77530426	0.78949726	1.0364585	.86894707
Phase-1 RCI-241	1 4063146	1 0801951	1.1455456	1.1482121	95990556	1.1162702	1.2469308	1,132873	0.9603133	0.7640941	0.8049913	0.92019105	1.1455994	0.91229296
Cyclin-dependent kinase 4 inhibitor P27ido1 (alternate											,	1 2400054	1404004	1 0053054
done)	0.8995451	0.845915	1,499413	12125689	1,6020546	1.4630086	1.7366414	1.4343967	1.3479036	1.5240782	1,4636071	10007700 0	1.1104331	0 7411578
Phospholipase D	0.9099803	0.8488231	0.6114221	0.8791264	0.684717	0.90494	0.3698325	4 4640796	0.88053574	1.10201	1 0394971	1 2011676	1.0232345 (79846313
Phase-1 RCT-39	1.1596559	1.2135946	1.1729556	1.1662363	1.1832683	1.1118488	1.3404313	1.1312133	4 0488683	0 9749658	1 0334486	0.95993435	1,002929	1.0369381
Phase-1 RCT-258	1.4600809	1.4139081	1.3011248	0.6/19366	25401330	4 4278437	0 04368043	1 0554466	1 0480039	0.9835567	0.94627875	0.825636	1.048975	1.1097275
Phase-1 RCT-113	1.955919	1.8300588	2.130.304	1.0244301	23402 lb	n 76520764	0.8426224	0 76473343	0.9979406	0,78557875	0.8840478	0.6316747	0.7179029	1.2766141
Adenine nucleatide translocator 1	0.30330743	0 47487	9745896	7 6064277	44 750884	1 4438373	2,4566193	0.8740063	0.7904443	0.5846447	0.882881	0.9482644	1,2418674	.95870113
Nighter and group mells	1 0347905	0.7997221	13604579	1.5439461	2.808278	1,354778	0.40597698	0.64067996	1,1363348	1,6288334	1,3353962	1.0427924	0.75787145	,88751644
ואורט כשמע וישוואפיו או זיברו אפים איפייי														

	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1000000	14004000	1 101501	4 0044000	1 0001000 1 1247049 1 6001417 1 1060191	4 5034447	4 4052434	4 0578906 4 0272677		1 0939798	1 0939798 0 96424866 0.87350386	0.87350386	1.1472305
Organic cation transporter 3	1.19(5)(81.	0.3003120	7004007	1000	2001	2	2	2	2000		4 4000047	00303000	27761030	4 0181475
Hypoxia-inducible factor 1 alpha	1.0786511	0.9890503	1.1197275	0.9509475	1.1195617		12/5/422	1.0872145	108/971	1.13100/3	1.108301.	00000000	0.00012	20037500
Phase-1 RCT-43	0.9629973	1.01235	1.0448523		1.5650941		0.9461465	1.0004077	1.1925489 0.9461465 1.0004077 1.1190143 0.97735997 1.005402 0.0040402 0.0072524	0.97739097	2.000AUK	U.GO-PO-PO-PO-PO-PO-PO-PO-PO-PO-PO-PO-PO-PO	0.00163534	1000000
Dhoce 1 Dor As	1 099003	0.9649354	1.1228465	0.8601322	1.7369828	12450672	0.9236604	1.0615476	1.2450672 0.9236604 1.0615476 1.1273528 0.9367973 1.0182231 0.78586714 0.9163109	0.9367973	1.0192231	0.78586714	03103	0./00/3040
Malata detadence estandia	1 0406021	1 4722912	0.9791184	1.1092082	12134337	1.2134337 0.78618073 0.90899575 0.85465903 1.0685753 0.72318697 0.94428027 1.0545536 1.1708654	3,90899575	0.85466903	1.0685753	0.72318697	0.94428027	1.0545538	1.1708604	1.0585225
Marate Lander and Lymponic	1 6812829	1 2526938	0.6972083	1.0043805	1.3489887	12726611	1,5941685	1,3160708	1,3160708 0,99629533 1,1624645 0,7344563 0,45196924 0,6395731	1.1624645	0.7344563	0.45196924		1.1774998
VLSU evenion	P 8575704		F3747679 0 485874763	F2747679 0	1 2084311	0 9405941	1.062203	1.0649495	1.0649495 0.9040099 0.8527022	0.8527022	1.033908	1.033908 1.1200727 1.4748385	1.4748385	1.1915102
	0.02441845 0.83740735 0.9008952	0.83740795	0 9009952	1 0510545	0 773255	1 0666528	1 1367122	0.98933077	0.9623762	0.9731227	0,9159298	1.0845745	1 0666528 1 1367122 0 96933077 0 9623762 0 9731227 0 9159288 1 0845745 0 96336905 0 8680004	0.8680004
ua.	0.004 1013 0.004310 0.0064340	4 0624043	0 8054240	1001001	1 2451465	1 0078222	95410323	1 0078777 0 954103731 0 78256851	1.0221809	0.900083	0.96865416	1.1985863	0.9000963 0.96865416 1.1985863 1.3429811 1.2153358	1.2153358
	4 4040695	4 4040696 1 0848644 0 91145675	0 91145675	0 9687378	0 99513917	0 9882328 0 99513817 0 83050424 0 8784427	0.8784427	0.8569605	0.91473556	0.84721905	0.9318565	0.89080354	0.8569605 0.91473556 0.84721905 0.9319565 0.99080354 1.0692075 0.9383564	0.9383564
Lissue pasminogen activator	1034044	4 024044 4 4704488 4 4178592	1 1178502	1 22654R7	1 243899	1 243899 0 BE395884 0 97447884	97447884	0.9086979	0.9376265 0.84888786 0.9776628 1.2136102 1.1233582	0.84888786	0.9776628	1.2136102	1.1233582	1.0892107
Present RCI-185	0 8708386	0 870838 0 7242712 0 8296095	0 6296095	0.6795189 0.9256668	0.9256668	1,7007453 1,7047597	1,7047597		1.7106832	1.1183079	1.4679508	1.1193079 1.4679508 0.9555131		0.9953316
Liver rang acrd pricering processing the second sec	4 1360314	1 1360314 1 4178166 1 099044		1 1657102 1 3292364	1 3292364	0.8830365 1.06205921	1.0620592		0.9381735	0.7464494	0.7464494 0.93009937	1.0517188	1.0517188 1.2163959	1.1948831
Public 4 Dort 204	D ROGTRORA	1 0007218 0 94186866		1,03861	0.7990686	1.03861 0.7990686 1.0029899 0.72046626 0.95382905 0.9466807	0.72046626	0.95382905	0.9466807	1.1107278	0.988689	0.8311626	0.8311626 0.85261977 0.81443703	1,81443703
TINSET NO. 1234	4 54 4247		1 2442015	1 2189025	1 6100427	1.6100427 1.1176827 0.8703037 0.9625665 0.98143214 0.6921885 0.8003945 0.92670876	0.8703037	0.9625665	0.98143214	0.6921885	0.8003945	0.92670876	0.899235 0.91477084	91477084
Chicago I NOT 450	4 4625437	1 0035044	1 0394673	1 0394673 0 63271683 0 98583543	0.98583543	0.8341812	0.6862922	0.95663774	0.8341812 0.6862922 0.95663774 1.0678294 1.0252589 0.8345807 0.71353745 0.70520525	1.0252589	0.9345807	0.71353745	0.70620525	0.8096237
20 1-100 Pool 1-100	O OREOFOO		0 9068542	0 9294296	1 0299114	1 0559938	1 2270768	0.9668486	1.158901	0.8301622	0.9389841	0.99787706	1.158901 0.8301622 0.8389841 0.99787706 1.0921589 0.95138884	95138884
riase i rc.i-cc	0.000000		0 7500400E	0 9500578	0.0434344	1 0058752		1 0780737	1.4034483	1.0926036	1,0926036 1,0107147 0,92395324	0.92395324	1.1929294	0.9754791
Phase-1 RCT-235	0.6233027	0.09370273	0.73021003	0.00000	200000	2000000	4 2500048	A 0780385	4 0005373	4 2472202	1 1494111	4 2472202 1 1494111 1 3100418 1 0382384	1,0382384	0.8974793
Organic anion transporter 3	0.61573356	0.61573356 0.06058843	0./86053	0.869293		0.9320337	0+60007	02/0000	200000	1.00000 A COCCOA	4 0740575	4 4400722	0.8888730	1 2020443
Matrix metalloprotetnase-1	0.9389062		1.1975784	1.1657771	1.1477946	0.915849			1.0030213		7700010	00202000	4 30407EB	0 055500
Uninary protein 2 precursor	0.70481384		0.B3131903	0.68035555	1.1602031	1 2205104 0.83131903 0.68035555 1.1602031 0.77120334	٠.	1.1864587 0.95252085	0.8001681 0.3344306		0.00010.0	0.3703033	2000	0.00000
Phase-1 RCT-212	0.847584	1.0408399	1.0012947	1.0971035	1,0367546	1.0367546 0.8877345	0.902493	0.902493 0.89327884 0.95934105	0.95934105	0.8509183	0.9671716	0.9671715 0.91445345	0.8555242	CE/SELETO
											1		1	Ī
(1) Gene expression data for 6 hour timepoint are								•			_			
presented as mean ratio of treatment/control for all 6														
hour predictive genes (Table 18).														
(2) Compound and dose abbreviations as in Table 1.														
(3) Individual animal number														
(4) Liver inflammation classification for compound-														-
dose graup at 72 h; ves-neg, negrosis observed; yes-														
both, necrosis with Inflammation observed; no, no														_
histopathology observed														
(5) Predictive gene (as in Table 18 and as included in			Ī											
I adie 20														

Table 28. Expression Data (or 6 Hour Timepoint (1)														
	CI 07 180	2 07 180	CL 02 180		CAC 30	CINC 30	HEX 0.5 C	HEX 0.5	CHEXOS	CHEX 2	CHEX 2	CHEX 2	CPHOS 25 (CPHOS 25
	2431	2432	2433	151	152	53	2241	2242	m	2	252	253	2141	2142
flammation Classification (4)	2	9	5		٤	5	9		5	8	2	Q	ou ou	8
Gene Name (b)	1 0187067	1177365	0 R346951	1.0216945	0.9608531	0.98576295	0.8641444	1.4837782	0.95971884	8.189722	38.183382	18.845623	1.2939781	1.6581142
Gadd163	0.9333098	1.1765646	0.9342311	0.76069665		1.0811524	1.9686092		1.7844477	1.323875	1,5871651	1.8510119	1.0268688	1,1817113
c-m/c	0.9443395	3.2173533	0.8386362	1,2135689	1.3119427	1.4491754	1.5442644	2.188978	1,3780408	2,6990982	4.500065	5.7699766	1.1795996	1.1368349
NPK	1.1249355	1.0883853	1.0308168	1.0059685	1.0931/84	1010540101	2 7601736	1.12//021	3 1731493	2 968518	5.7428937	4.2624383	1 2560953	1.387408
Herre Angeles	1 6500137	1 1148443	1 3064055	14164264	1 2920971	0.9538655	0.7782441	0.83372355	0.9211622	1321163	0.9363931	1.0621456	1.0715398	2.067676
Phase-1 RCT-109	1.0754565	1.0705416	1.0619936	0.781185	0.892053	0.6276345	1.2626413	12305433	1.0133312	0.7945779	0.68770665	0.816251	1.4624946	1.7340869
Phase-1 RCT-111	0.96213365	0.9423895	1.0972352	0.8307282	0.8214862	0.6682127	0.96636415	1.1025436	0.991831	1.1884301	1.1138326	1.1232859	1.2598711	1.449069
Argininosuccinate lyase	1.245413	1.3072342	1.5775527	1.0951878	1.0512652	9989906.0	1.7755879	2,3974206	2.6214097	1.5724729	3.2236745	2.7559874	1,36262	1.4035317
DNA polymerase befa	1.8108497	1.0505556	1.1597457	0.78776866	0.8259411	0.8442037	1.1406798	1.1150112	1.2850245	1.4504987	2.3402507	2.0675578	0.77320755	1.69879514
Phase-1 RCT-103	0.8571886	0.93926555	1.1162456	0.8312061	0.83138895	0.68761665	0.9066719	1,0556403	0.8691581	1.1469488	1.1023198	1.0694842	12160561	1.4015518
Ribosomal protein S9	1.0398194	1.2490276	1,8358265	0.7214678	0.7880157	0.59721494	0.7601649	0.7915063	1.082/116	1.4512926	1,0430025	1,5,551234	4 0450853	1 1055413
Phase-1 RCT-114	0.94658893	1.0121496	4 5502278	1,043644	1.0235918	1.930b0b	9.8861073	2 6720623	2 389244	2 4877126	3 2787433	4 6626782	1 0189652	1 2284777
Maccophage Inflammatory entein-2 alpha	0.8917656	0.9840262	0.9278642	0.96155596	1.5673363	1.6591642	1.8509347	1.8104758	1.8937194	2.0735016	1.8752743	1.9107891	0.9728206	1.3845319
NGF-Inducible anti-proliferative putative secreted											0.00.5	. 00004	0072000	0000000
protein (PC3)	1.0493531	0.91434836	0.9376797	1,2660489	1.1596255	1.4273437	1,8212605	1.5847789	1.327.019	1,1022121	1 2400043	1.0900177	4 4248534	1 2008807
Phase-1 RCT-191	0.9596496	1.3980558	1,0099071	1,0374904	1.115/624	0.86209494	1.0504016	1.10/6//0	1.0780400	4 00005349	1 000000	1 1731511	1 1125502	1 2556125
Phase-1 KCT-63	0.39184436	1 0200400	1.0080412	0.95003504	1.10930001	1.1334033	1,3303001	4 052459	1 0575577	0 9148248	1 0068737	0 88431746	0.9580838	1 1088594
Cyclin D3	1.0505011	1,0/30130	1.1734943		1,0009323	0.8333407	0.8565724	1 0122395	0 95671696	1 1120123	1 107765	1.0359417	1.2624182	1.3804874
PRESON RC 1-100	1 1579002	1 0375938	0.83612907	1 1401933	1 0737435	0.86574847	1 6422244		1.8302311	4.2118835	2.9239247	7,6039724	0.9217425	0.72914946
Phase 1 RCT-192	1.2670875	1.0057681	0.85855246	0.8172199	1.0591713	0.7256047	1,1174111	1.1924927	1.0751745	0.9897415	1.0922937	1.1567072	1.0236365	0.8915966
Phase-1 RCT-75	1.0270292	0.9723821	1.0765303	1.1710882	1.1886568	1.0708501	1.8986644	1,8782042	2.058471	1.517675			0.9999719	0.94325938
Acetyl-CoA carboxylase	1.0765935	0.9105415	1.0918167	0.97405714	0.9380899	0.97103983	0.9110474	0.86470383	0.87091666	0.9954698	0.74515885	0.73244965	1.0301207	0.8291789
Phase-1 RCT-95	0.7769829	1.054768	1.092/321	2000	0.87.209.18	4 2435	0.8853052	1 093300	1.1003432	4 0530462	4 265M35	1 4113363	0 8246763	0 8834077
Cystalin C	4 0070445	1.0444084	26178C0.1	0.0000035	1.1101015	0 9786616	3.088743	4 431734	3 648876	3 0263925	3 6449368	5.7354307	1.0370276	1.096836
Present RCT-9	1.1370758	1.1610948	0,88479877	1,0303148	1,2083559	0.9624084	1.1153282	0.78590046	0.8833626	2.6228142	1.1738334	1.064662	1.354104	1,39036
Gadd45	0.92261523	0.9435921	1.5789286	12575942	1.8472987	1.2860641	1.214662	1	1.0798941	8.564091	9.897914	13.841803	1.4409771	1,5393377
Phase-1 RCT-156	0.7484246	0.8996048	0.71963453	0.8216924	ă	0.70577973	0.90313804	0.9813228	1.1053262	1.0145481	1.0426317	0.93389857	1.1806/68	1.3051775
Coffin	0.9940267	0.9770746	1.0979797	1.039065	0.88440275	0.94893706	111647	1.20594	1.4250977	1.3423406	1.60/3455	1.5010407	1,7950489	10,786,3674
Phase-1 RCT-12/	1.0849568	1.0100638	0.747456	1.1844/36	1.1618333	13784619	1.254737	1 4303427	1.1345794	1 0463153	12573816	1,1030653	1.0180987	1.1414776
Zinc finder protein	0.9688488	1.1548481	0.8096424	1.1444403	1.0999786	1.0347527	3.484682	4.6837034	3,4983404	5.8323665	20.65312	16.238869	0.9671843	0.87000537
Phase-1 RCT-73	1.0321558	0.9962387	1.1204464	1.03073	1.0239667	1.1554004	0.7482527	0.8100732	0.7926196	0.90053266	1.0843397	0.9995455	0.9181056	0.9447869
Glutamine synthetase	1.1271669	0.9864295	0.86595213	0.95776296	0.7906025	0.8461093	1.2062832	12588074	2.2179005	2,5139816	3.0947185	3.1150524	0.630/512	0.8090/283
C4b-binding protein	0.831654	4.003436	1.134305	0.9225394	1.0717598	4 4646467	9 2026363	3 7796293	3 3464387	1.1213426 6.8508797	1 032473	4 459887	0 93541855	1 0391505
Present CU-242	0.963/701	1 0112197	0.09300933	1 0047923	1 1946847	1 38 16505	4 033162	5.585607	3.449078	4.107797	7.0997188	8.844672	0.8369129	0,93537295
Florestics factor-1 alpha	0.95489323	1.0186756	1.1598856	0.6796511	0.75918853	0.5408655	0.9531817	0.9033678	1,2136638	1.1315401	1.4706717	1.2901378	1.1241682	1.014994
Integrin beta1	1.0403761	1.0186528	1.0347819	0.96670663	1.0861601	1,4365923	1,6006643	1.7452571	1,5779473	2,133643	3.3411343	4.0190945	1,2312363	1.3565775
Insulin-like growth factor binding protein 5	1.3004277	1.0063465	0.8791301	0.9107378	1.0033293	1.2646027	12528591	1.1182004	1.2007291	1.3575709	1.19924	1.3529805	1.0519167	1,0359468
Phase-1 RCT-59	0.9104352	1.108546	0.8209917	0.90719664	1.0232013	0.90543497	2.5667937	2,6895319	1.9504247	2.6803663	3.4525228	3.816/036	4 27/756	47756460
Phase-1 RCI-76	0.9114244	1.014.521	4 4005004	0.7731491	0.7933330	0.62003230	0.5031339	0.87178545	1 120655	1.0574666	4 3032757	1 1911676	1 7259506	2.124993
Selementain D	1 217158	1 058927	1 3571421	12520851	1 2004907	1.2113943	0.3091596	0.23263668	0.3935106	0.5799427	0,40319163	0,32962418	0,986875	0.9163028
PTEWMMAC1	1.062178	1.1247038	1.1277546	1,2119423	1.1659136	1.1961445	1.1703516	1.0745122	0.9237356	0.9332953	1.0105528	0.8541188	1.1631498	1.252851
Phase-1 RCT-214	1,0150075	1.1070365	0.97458285	1,1208043	0.8715661	1.0046376	0.6881101	0.5054577	0.8831326	0.8136953	0.57815725	0.6637799	1.0363982	1,0669336
Phase-1 RCT-112	0.9289598	0.8876467	0.87328666	1.0344429	1.0575608	1.3726337	1.1756241	1.121565	1.0746666	0.8248776	0.8505295	0.77735424	1 0662307	0.3377300
Trymidylate synthase	1.0131876	0.89110404	4 0002107	1.18965/6	1.3338974	1.6/33/68	1.145832	1.0866454 0.48025455	A 223024	1 6282448	0 77009165	0.6812502	0.6632005	0,63879675
Prize-1 KC I-13	0.56530366	0.9594558	0.68312633	12755677	1.4252563	1,5193342	0.6012471	0.62603235	0.89328253	0.81999224	0.9084436	0.8458162	1.1175299	0.9906919
Cholesterol 7-alpha-hydroxylase (P450 VII)	0.9886511	1.1206236	0.7854834	0.74689496	0.63865924	0.72291464	0.9487857	0.8408052	1,0106151	0.93073267	0.5551805	0.7264097	0.7046924	0.84061974
Vesicular monoamine transporter (VMAT)	1.0121392	1.0760794	1.2249548	1.0869223	1.2398696	1.3642768	1.606795	1,39962,12	1.2513694	1.1835974	1,316032	1.2437865	0.8669417	1.1143758
Phase-1 RCT-260	0.9474708	0.95330536	0.85375893	0.99656351	1.01993541	1.08444121	1.16911971	1.07376491	1.0518166	0.91122251	0.87550851	0.900000594	0.92555731	1,002,3303

	1 4 43040791	0.000017	0.0585784	1 064700	4 0E2BE23	1 0001833	1 2728591	0.85517544	0.67721591	0.91963834	0.9954786	0.845219551	1.8109145	1.3686526
Peroxisarre assembly factor 1	1.0653939	1,0212761	1.0534497	1.1920707	1.2849058	1.0114678	1 229262	1.194413	1.4510008	1.1693993	1.0272114	1.0750761	1.160406	1,5084797
8-oxoguanine DNA phycosylase	1,0015395	1,0086834	0.9101519	1.153777	1.0768057	1.2754111	1.3796998	1.479251	1.350742	12064193	1.1115209	0.94930226	1,0469246	1.0056523
Phase-1 RCT-82	0.9458508	0.970567	0.84491533	0.93425083	0.97880805	1.177.113	93200964	0.8788012	0.9313/18	7291627	0.86032630	0.67931174	4 2020694	4 0050350
Matrin F/G	1,3169703	1,0048647	1.2082014	1.2447422	1.2025207	1,0890487	0.5788962	0.55067146	0.7351203	0.6149099	4 0245237	0.43/8/844	0.7549331	1.0000300
Phase-1 RCT-184	12107718	1.0644588	1.135376	0.3403007	0.9412.503	0.00476367	0.0002009	0.0770334	0.6344307	0.5225503	C EGYABBOA	0 34654558	0 03E71334	0 7RORDER
Phase-1 RCT-168	1,0/42358	0.8264////	1 13121313	1.00//223	0.005.00.00	0 3160330	0.015281	1 2205942	12153145	0.81827508	1 1692823	0.6933279	1,1161451	0.8688476
Hase RCI-119	0.000013	1 0113244	0 0043776	7239004	0 6896813	1 268385	1 23492772	10772961	1 2997813	1 244 5903	1,1216038	12123901	0.91457766 (76882845
Tontoohan hydmodasa	0.96127814	0.9798663	1,2962693	1,119373	0.90104234	3,84891224 (.64529634	0.5691863	0.7219233	0.89425786	0.86318964	0.81100714	0.98849756 (.88176876
Phase-1 RCT-71	1,0951779	1,0750757	1.1063864	1.0887866	1.2617254	1.2610478	2.0775554	2.009428	1.5412561	1.4400856	2.304412	2,602543 (0,96905416	1.0674455
Phase-1 RCT-179	1.1828905	1.0944417	1,3954943	0.8824895	1.0650761	3.67176485	2.000525	2.1926705	2.3926995	1.8514495	3,7769767	3.514739	0.82945675	.88537216
Phase-1 RCT-161	0.7343197	0.9299735	0.7980477	0.84774584	1.0413993	1.4442161	1.0018919	0.9606074	0.9102384	0.9405335	0.90320285	0.84838045	0.83948525	76148254
Phase-1 RCT-207	0.96258175	1,0310225	0.98978347	1.160821	1.1341091	0.9207895	2.7614477	2.5460906	22760494	30277555	4.7050414	4.5417094	1.0999082	12015456
Phase-1 RCT-144	0.913031	1.0675185	1.2196552	0.7341973	0.8196614	0.8286161	2.5857449	3.6033442	3.1176043	2,4285176	3.5942586	4.4/4602/	0.0841828	/clociu.r
Phase-1 RCT-225	0.64958566	0.82760143	0.93371683	0.7480868	0.8256199 (0.27225944	1.4610342	12179135	1.4160423	0.6521165	0.5427963	0.8860172	1.268/068	0.9506828
Cytochrome P450 2E1	0.73093873	0.9701947	0.9544632	1.1509818	1.1771178	1.0047926	1.119516	1,6182413	1.305/531	0.8478242	0.3030624	0.8444/085	0.7303083	4 24 9024
5	1.0591007	1.039665	1.1181648	0.8002384	0.9862174	0.9970438	1.3464538	1,5311825	1.5403085	0.9215238	1,0405017	1977/660	10/3/023	1210334
Thioredoxin-1 (Trx1)	1.2127857	1.0950408	1.0/16466	1.2250621	1.14/2393	1,0250165	2054463	/8001/80/U P	93790100	4 050304	1,002,3033	1.0302032	0.50551010	0.3350500
Carbonic anhydrase III	1,2391126	0.7080345	0.48/24124	0.0650004	0.000/0000	1.1013003	4 4 4 0 6 6 6 7	4 4005944	4 0777074	4 0659004	1 0857214	1 0813215	0.9529282	1 0474855
Phase-1 RCT-140	1.0639235	1.0202108	4 4167606	0071171	0.077464	1.102233	1.1 105032 0 7240708	0 5581978	0.7219395R	1 2321761	1 446932	1.1927941	0.9817011	0.9563213
Complement component C3	0.04064793	1.42041	0 54754486	0.37740483	0.0271070	0.4864404	65117323	O 50640876	0 8452257	0.5817117	0.45059827	0 38421875	0 9972352	58732375
Glucokhase	0.81034733	0.99519930	0.34731400	0 8787727	0.8113336	0.7377821	0 7753535	0.8270894	0.6169249	1.0621073	0.6761285	0.6208133	0.9939498	1,0335377
2 moth dodoning DNA charedage	0.900178	1 0041732	0.9378931	0.98465145	0.6973559	1.1802257	1.0765125	1.1820129	1,1520813	0.9603048	1,0340534	1.0647405	1.0347258	390773785
Permisonal multifunctional enzyme total	1.1289783	1.0240006	1,4589493	1.1908965	1.155684	1,0523934	3.78972626	0.79161495	0.85380185	1.0089917	12196586	1.1796415	0.79785657	0.7572708
Phase-1 RCT-40	0.8613499	0.89676696	0.9888458	1.0283419	1,1065841	0.9202671	0.5696715	0.46381352	0.6441833	0.95091224	0.9162991	0.8891984	0.82499164	0.7191528
Senescence marker protein-30	0.93073463	1.0866205	0.74319434	0.60065776	0.529814	0,6655551	37492388	0.19397648	0.5128356	0.72689044	0.26257765	0.34157932	0.7898583	0.6336256
Oyelin G	1.0041132	1.0827142	1.1595474	1.034909	1,2865733	1.2463012	3,7452185	4,571908	2.1775928	3.4404607	7.979724	7.341203	1.2998382	96267696
Melanoma-associated antigen ME491	0.822859	0.91704065	0.9549704	0.7661839	0.7212641	0.9350305	1.1566821	1.3748273	1.458863	1.2571139	1.358107	1,8041399	0.65249066	0.8168/63
Phase-1 RCT-28	1.0590522	0.997922	0.8914727	1.1768854	1.2841991	1.3147822	0.9203744	0.8130845	0.91558853	0.90139355	1.03/4/48	0.8307447	1 2181295	1 1767237
Emerin	1.0306088	1.0733317	0.8/04013	2 1723714	1.1041341	4 7834308	0.9073914	0.000	0.05701012	0.25/12010	0.45633874	0.48395005	12804558	1.268367
Riconal denyarogenase 1	1 0006883	0.9766085	0.796292	0.65321434	0.5942181	0 89360845 (0.91351384	0.70879054	0.7200591	0.7034744	0.57186574	0.59201384	0.81815064	0.69031316
DRC1 strees activated protein idnase	0.75987273	0.8511034	1.5231436	0.65584004	0.6851858	12697924	357507795	0.5997785	0.6997218	0,6153949	0.8699152	0.6571541	1.0905163	0.8328782
Protein tyrosine phosphatase alpha	0.96933573	1.0104052	0.89560884	0.9407892	0.93860453	1,5596161	1.4178717	1.2798378	1.3055594	0.8380375	0.7995128	0.8558389	1,0204145	0.896847
Phase-1 RCT-55	1,0411817	0.9595241	0.9942521	0.9220764	0.89477223	0.95689327	1.121799	1.4907624	1.3323337	1.0170738	1.1765746	1.3183376	0.972007	0.98173034
Ubiquitin conjugating enzyme (RAD 6 homologue)	1,1891202	1.1756055	1.4245914	0.8570273	0.8660294	0.6664883	0.9942962	1.247427	1.2142897	1.5677243	2,0285778	2038315	4 0403634	0.3588838
DNA topoisomerase (1.0840245	1.2072941	1.3180852	0.8825/38	10140642	4 0737574	72000245	0.7558441	0.72759813	0 87347554	0.7540843	0.851401	0 8549527	1 007301
Phase-1 RCI-280	1 2720435	1.4093003	4 489719B	1 1143311	0 99021575	1 0487516	2 2193022	1,4983441	2.941786	8289341	14,135337	17.289742	1.1881475	1.18179
Relativistic ripes I	1 0090874	12194175	1.0281503	0.68258065	0.8112711	0.53818524	0.9494259	0.97257966	1.0230223	1.0003003	1,4682893	0.8410493	1.0758952	1,2991679
Carbarry phosphate synthetase I	0.9083617	1.03925	1.5637815	1.1071286	0.8579747	1.0908264	0.835132	1.2351648	1.2755893	0.88288015	1.2090957	0.68452185	12747074	3.80972725
Diacylgiycerol kinase zeta	0.9925108	1.0635607	0.9364257	1.1110805	0.9851443	1.0775367	1,3304387	1.0412123	1.284445	1.180212	0.845752	1.0138083	1.1958259	1.1415406
Phase-1 RCT-141	0.8620839	1.1638591	1,5273542	0.88868874	1,4047105	0.6465241	4.6326237	3.715181	4.7781453	3,7864988	11.457192	5.626193	1,0818613	1,5028259
14-3-3 zeta	0.98831224	4 4276345	4 2400462	1.05/1456	1.022912/	0.96349263	1.5139843	1.421/01/	1 5489878	1 0908228	1 399437	1 5407387	0.826021	0.7731452
Cantra-activ, cytopasmic	1.1730402	1 1167372	1 1584325	0.87956977	0.99259883	0.58786124	1.2140301	12834426	1.3171009	1,1635101	1.8168858	1.5273411	1,7436887	2.1965175
IKB-a	0.8275622	1.0636709	0.98003566	0.7738362	0.7295565	0.72658545	0.88487864	1.178215	1.123677	1.047463	12611394	1.1432769	1.0331833	0.8782924
Phase-1 RCT-65	1.2174214	1.0902854	1.1426122	1,181896	1,3632299	1.2637658	1.084024	0.9382915	10132	1,570903	12304034	2.1907747	1.3841032	1,4658718
ojan	1.2782836	0.9436312	0.9767608	1.1291357	1.4380051	1.3538828	2,3322034	1.587437	1.4034392	3.9854562	30143523	4.009134	4 202024	1,4362079
Protein O-mannosytransferase 1 (Pornt1)	1.1557515	1.4288309	1.2684233	1.013206	1.2134981	0.9774803	1.112274 0.8724680	1.0502039	0.35086/73	1.1082023 1.108245	0 9036964	10177833	1 9237344	2.0218894
MMG COA reductase	1 1005262	1.071.401.1	1 445R7RF	O RZBESR3	0.9528822	0 7754328	0 9790087	1 0054923	1.0194283	0.890519	0.9799207	0.96768874	1.099916	1,3203216
Interferon related developmental regulator IFRD1		200	200											
(PC4)	0.9268757	1.0345932	1.0207139	0.78558826	0.8484688	0.77365303	1,5959315	1.3303684	1.3230062	1.1131834	12424812	1.5277249	1.1144816	1.2480401
Glucose-regulated protein 78	1.039274	1.1667069	1.1856852	0.7447172	0.93656944	0.45179874	0.535566	0.3621078	0.53843343	1.2999964	0.6014223	10063760	1.0560/30	1.0010/31
3-beta-hydroxysteroid dehydrogenase (HSD3B1)	1.0599293	1.0123714	1,0091615	0.8306232	1.0016026	1.85530826 1.9070552	4 22215	1.0535768	1 2755684	1 0889496	1 258474	13291011	1.0951895	1.1518257
Caspase b	1 1343166	0.9339004	0.32243000	1324167	1	1 2558181	12609965	1.1902367	1,208126	3,927512	20512316	5,9334583	0.86355704	1,0413496
Proced RCT-197	0.8669242	0.95108986	1.0383345	0.81364393	1,0090866	0.9463343	1.422632	1.3185365	1.1259809	1,1483266	1,0638589	1.099802	0.9297582	1.0033861
Phase-1 RCT-34	1,2224481	1.092193	1.1345469	1.2249236	0.9222522	0.9998194	0.5974576	0.5671926	0.881638	0.6764618	0.65102017	0.69815445	1.0807405	1.044174

Physical BCT-72	4 0658228	A 9228984	9194939	7300260	1 COCTOCO 1	4 0474043	4 8837040	4 2444760	10072200 1	0.000	OF PODDO O	A OF SOCIAL	1000000	0.0000
Pyruvate kinase, muscle	0.84644934	0.9847708	12753224	0.8729103	1,069449	0.987743	2.0013642	2.4644535	2474455	20192885	3 5376008	2 9993672	1 21 908 35	1 2520195
Phase-1 RCT-288	0.94722337	1.143585	0.7264443	1,2485912	1.19857	1,2908908	0.42645216	0.374644	0.7963659	0.74425775	0.37805444	0.40716347	0 9937429 (71683747
Phase-1 RCT-90	0.9824997	0.8849633	0.8463334	1.0727717	1,080741	1,2599557	1.1881741	1.0741777	1.1012596	12249712	0.9928503	1,2381337	1.1024842	1.0427147
Cytochrome P450 2C39 (alternate clone 2)	1.0817204	1,1884691	1.1474456	1.5845752	1,3397264	1.3679342	37468025	0.33881193	0.37314722	0.8182376	0.6841817	0.49713522	0.98000383	1.054516
Phase-1 RCT-290	0.99695563	0,7748644	1,7037873	0.94206816	0.82038975	1,4428232 (35928026	0.5490051	0.35670143	0.8714962	0.84003043	0.58771783	1279666 (84107846
Phase-1 RCT-261	1,0248138	0.98817927	1.1180859	0.92011166	1.0082476	1.1450429	0.7581877	0.71532387	0.7546052	1.0996155	12321634	1.0969164	1.196212	1.0590504
Methylacyl-CoA racemase alpha	1.0377212	1.081157	1.1765556	1.1036723	0.9296307	1.0554268	0.7484835	0.4716005	0.6988035	1.0077415	0.6724401	0.8322273	0.781293	93168956
Cytochrome P450 1A2	0.7670827	0.889275	0.92676365	0.9378926	0.92370534	13371501	1.3993447	1,4653814	1,7060145	20193896	1.115007	1.2040733	0.91398126	1.0721525
Phase-1 RCT-297	1.295439	0.89257455	0.797341	1.0750033	1.1314512	1.1878468	1.2844423	1,0764984	1,1745154	1.3395779	1.3587892	1.5753474	1,3082721	1.3033922
Monoamine oxidase B	0.96230996	0.96921223	1,3249968	0.7298581	0.7118435	0.96882653	0.5920923	0.5171003	0.65548766	0.6658362	0.9354989	0.61051434	1.0464758	.82633734
Phase-1 RCT-264	1.0860701	0.89737946	0.9360956	1,3138654	0.8701812	1.2027841	0.45449433	0.3427726	0.576481	0.88148195	0.7942233	0.7196233	0.9125876	,63194096
Percosome proliferator activated receptor gamma	1.016789	0.8723482	1345292	1.4028924	1.2013322	1.5603776	1.1553857	0.97073895	=	1.0215765	1.009515	0.9727257	1.0453944	1.0425767
Phase-1 RCT-143	1.2529032	1.140562	12213695	1,0089344	1.029692	0.98763335	0.6837513	0.70581836	0.8123884	0.9427164	1.0173208	1.02222828	0.78282243	0.7049451
Mase-1 RCI-251	1.0379226	1.2837496	0.78083086	1.0256062	0.7943911	1,0437231	1.3562477	1,3350239	0.92879945	0.77396977	0.7180645	0.827916	1.1093608	1.0065596
Phase-1 RCT-117	1.15/483	0.96295834	1,0766649	1.2784011	1,008162	1,0366457	0.5822869	0.7744793	0.48659143	0.83976847	0.8318478	0.71501184	1,39(0139	1.1970913
Glutathione S-transferase thela-1	0.81288433	0.892886	0.840219	0.89245236	0.67421687	0.7425821	0.8829766	0.7940333	0.90956795	1.0785595	1.2236003	1.0302591	1.2846841	.99226904
Phase-1 RCT-91	1.0797682	0.97596335	1,0004325	1.0005151	0.93563944	0.7683045	0.8199164	0.9313472	0,83760566	0.9792011	1.1854889	1.0925779	1.0755624	1.109279
Phase-1 RCT-148	0.9854407	0.935752	1.0144585	1.0242252	0.8495322 (0.96249014	0.5006442	0.5886173	0.59050333	0.7695597	0.64978635	0.54550177	12003601	0.8563471
Phase-1 RCT-142	0.9087539	0.91245866	-	0.94690114	0.8140443	0.8806508	58688323	0.74048865	0.7811488	0.9074164	1,0098703	0.9484844	0.84607685	.81834567
Activin receptor type II	1.0239576	1.0779346	0.9282078	1.205826	1.2576586	1.3659481	1.2454153	1.3071941	1.0148063	0.98049635	1.0020412	1.0082223	0.9754583	1.2665211
Glycine methyltransferase	0.7827731	0.80645955	1.1848633	1.115882	1.0075824	1,0288708	3.47818047	1.0987804	0,43640515	0.8198112	1.0242357	0.835131	1.4979445	1.0594488
Fhase-1 RCT-281	0.97540563	1,080689	0.9585085	0.934844	0.83288944	0.79593056	0.8642891	0.9747195	0.8797423	0.7549113	0.772033	0.734214	1.1642262	1.3192787
Citrary neuroproprie ractor	0.9222627	1.0168836	0.8842884	1.034639	1.0540404	1.1649106	1.1483389	1.1990132	1.019087	0.9258842	0.9628677	1.0114048	0.7963898	0.9139756
cap Junction memorane channel protein beta 1 (Gp1)	12077636	+ 2C78364	0 675566	1 111057	0000000	1 0000000	2020030	200000000000000000000000000000000000000	20000000	1000000	,	-	0000000	-
Phase-1 RCT-06	0 0750194	4 02045	0 7005E70A	1 2422604	4 4304775	1 4220022	4 0545454	4 04 04 70 20	4 6472447	4.0094030	0.03428030	CONTRA /ON	250000	761477
Phase 1 PCT 287	0.000000	0.020.1	4 0494640	71007706	71004077	1.12309/3	96909CD'1	1.0191/93	1.0123142	47CEGO: L	9/ /98168.0	1.043976	0.8/803	1.14/4885
Relied hinding pentals (DBD)	4 4034604	0.3030070	1.0421040	0.74021/03	0.74004047	0.301/40/0	17/343616	0.7382091	0.0000000	0.353778	0.5363606	1.1918628	0.6/1/69	76546950
Very Importation and Cod contrates	0.8328051	0 7322505	4 4785443	-	100		0.40003330	0,4001394	0.0000000	0.7259412	0.01013/4	0.70037007	0.01810381	200000
Syndecan-1	0.805197	0 83337166	0 9767249	7486695	72478765	0.606776	0 83584448	0.044255	2267607	4 4534433	4 5507000	4 4422407	0.0200041	07405574
Stathmin	1.0009594	0.9006344	0.7987468	1 089948	1 1737705		0 8237157	75500270	Nocaecana O occaecana	0.8910506	O RRANZER (1 83388927	1 2315559	1 2052792
Phase-1 RCT-145	1,1834409	1.2261469	1.3343039	0.87204087	0.9921443	0 68948376	1 6093754	1 9730304	18777121	1 48499R1	2 2978495	2 104712	0 8591085	95994893
Axin	0.95748883	0.95457494	0.9589931	0.96994835	0.89723223 (0.95909107	0.698891	0.93632877	0.9091487	0.7785291	0.88236415	0.7013297	1.0923042	0 9067747
Phase-1 RCT-89	0.9173709	0.843546	1.0010699	1.0966678	0.9717411	0.9776908	1.4833469	1,3552105	1,0679753	0.7265348	0.5022255	0.38405246	1.0280267	A3296484
Sarcoplasmic reticulum calclum ATPase	0.98317	1.0298532	1,0411139	0,5761599	0.6227019	3.91848844	12259504	1.1588426	12380323	0.9488905	0.8117185	0.8171244	3.88593155	0.8826636
Apha-2-macroglobulin, sequence 2	1.1405032	1.1571331	1.2587081	1.0136857	0.9132677	1.055114	1.0750335	1.1854357	1,0340784	1.1697701	1,6960365	2.055635	0.7209327	0.649959
Phase-1 RCT-204	1.2071922	1.1083045	1.3348511	0.9210352	0.9427808	0.9680378	1.6626132	2.26592	2.257046	1,6538791	3.2973871	3,36897	3.91546977	0.8331398
Vascular endothelial growth factor	1.034716	0.9877749	1,0226275	0.95869046	3.98164105	0.8873868	0.8640337	0.8754656	0.916987	1.1288382	1,3584253	1.3449688 (3.96962947	1.0197295
NADP-dependent isocitrate dehydrogenase, cytosolic						_								
Ohla Madica andels Latter Co.	1.1/092/4	0.92431885	0.8436446	1.0673817	0.7824356	0.8468297	0.2760605	0.25402254	0.3197886	0.75827557	0.276826	0.2174262	0.8994059	0.7530251
Ciriathina Stransferres Va	4 0547776	0.7397003	1.243/30	4 0040045	0.0020000	100001937	97500000	0.927643	1.0410438	1.0723747	0.7936211	0.8426619	1.052503	1.0568435
Foods hamas	1 1554788	1 1838200	1 157175	1.0010343	1 2006230	4 1000360	4 0045634	0.166.39188	200016000	0.0018516	0.404/8285	0.32000588	0.82382447	2466744
Insuth-like growth factor I	90588906	0 98337144	0 79361653	0 8383071	0.6758965	0.69117564	0.68450	0.0103/004	LETON ERRE	4 3200824	1 1007052	1 0427774	4 0769264 0	04409768
Prostagiandin H synthase	0.8711373	1.1740443	1.1730746	0.80635417		0.76609623	1.5404152	1.1998743	1,593811	1.2131073	1 2673298	1.3365833	0.8709597	6959789
Phase-1 RCT-136	1.0139836	0.93495244	1.0194268	0.96514785	0.8643517	×	0.6461345	0.5941234	0.8545538	1.0901818	0.95467144	0.7774595 (90259254	0.768247
Phase-1 RCT-137	0.7601674	0.79241574	1,03813	1.0327876	0.8424399	0.9632987	.37668607	0.3115194	0.43785712	0.9183277	0.644872	0.49588302	0.7869514 0	58541393
Phase-1 RCT-138	0.8797453	0.94696724	1,0076941	1.0806599	0.9915489	1.0068104	0.88419104	1.1107978 0.9527	0.95270526	0.891876	1.141092	1.0608872 C	.97663924	0.9244862
Hepatic lipase	0.93799925	1.1119158	1.1383406	0.9073119	0.6854541	0.8077158	0.6386071	0.60504967	2146	88125		0.78172195	0.932708	0.7780711
And Cot dehadences and an about	1 4653054	0.9093537	0.93231225	1.1302407	1.0042826	1.1339092 0	.64437294	0.63978744				0.8615783	0.9500747	0.8932779
Glutathione Stransferase Vt2 submit	0 95310384	0.86371386	0.8164953	1.07.2.2.304 0.68691903	0.5799653	0 6545695	0.40050894	0.28/1/2007	4.24078	0.74143285	4 304406	4 097/0143	1 1200247	7050000
Carbonyl reductase	0.9470199	1.0368848	0.88959354	0.90355116	0.8506447	1 0667654	1 1525304	1 080934	1 massar	90055016	0.8778082G	3059000	0 9052447	8470728
Phase-1 RCT-166	1.2798158	1,2883685	1.135935	1,1050122	0.91165775	1,0165347 0	0.46175608	0.45740885	0.6725558	77008777	147804	0.71522026	1022184 0	84878737
Apolipoprotein E	1.2774901	1 2922493	1.268857	0.8356402	0,61862653	0.6946561 0.	.44543135	0.40298113 (0.60397636	94531167	92817724 0	78994197	12135575	1.1312834
UDP-glucuronosyltransferase	0.82086617	1.1281242	1.194028	1.0922238	1.0784419	0.571436 0	.55476624 (0.47179055 (33684337	71700066	0.7162963	0.627068	1.3464233 0	B3742374
Glutathlone S-transferase P1	1.0075891	0.8966583	0.9632041	0.7853265	0.7858371	7.79642123	0.5967298	0.6115615	0.6890066	3.86289465	0.7769998	0.6995705	1,5767843	1,3817345
Disuffide isomerase related protein (ERp72)	1.0035805	0.98093426	1.0044721	0.92460567	1.2031457	0.6296736 0	.42914382 (0.27230212 (3,45872933	0.73395324	0.3492208	0.3091919	0.8283282	1.2870346
Rabosomal protein L13	1.1594723	1.0452702	1.1446552	1.2673013	1.2014445	1.2869191	0.6706129 (0.57237995	0.6797061	1.0228678	1.0407623 0	7,89654547	1.08614	0.9256751
Interaction Interaction (III)	1.0730141	1.265947	1.45/4193	1 37852623	1.1518556	2005000	1.0428966	7.7884464	0.8587022	2,0289123	3.069676	3.1855996 0	87056035 0	95000625
ווווכן אווואן ווובטאא מוכטא פון אווואן	1.27032041	1-60007-1	1.92523031	1.32884341	1.41103951	0.8552/617	1,3916/5	1.0692585	129413471	1,59085231	2.3927672 ₁	1.7977361	1,5549668	.71043991

	1 1100001	0.0304000	000000	4 0744644	4 40040761	4 4 700000	1,000,100,1	O D437CACC	4 0554781	n psc420661	4 0440524	O SAABEEG	1 01385731 (91641825
Franch Poto Carlett	0 88932115	0.8072974	1 1727606	12176903	1.1091226	1.1311313	0.5285409	0.45324224	0.73902035	0.73177445	0.984035	0.7839945	1.0290033	1.0083948
2 hydroxiecty thrests dehydroconses	0.8729289	0.91023004	1.0820218	0.9194578	0,8578319	1,0093944 0	46833993	0,34421518	0.5915542	0.801486	0.58402497	0.52688223	0.94717956	0.7560774
Carbolic polyurizate III seguence 2	0.7575689	0 63469505	0.9596533	1214091	12089181	1,0930477 0	33334878	0.32858318	0.58464247	0.6351358	0.79267615	0.47077563	0.74668604 (.90358865
Dhase-1 RCT-10	1 3013035	0.85510886	1.0911709	1,0055141	1.0422574	1.0646402	0,3706359	0.28713322	0.3866665	1,0193914	0.4246634	0.41264018	1.0273541	0.7021677
Appa-2-microdiobidin	1.1867441	1.1275846	1.0181352	0.89443666	0.8716299	1.5451012	0,4862323	0.21351078	0.563824	_	0.48280632	0.6152695	0.72438234	0.5728859
Dynamin-1 (D100)	0.95929235	0.83725554	0.9052832	1.2538071	1.163684	1.1301312	0.562115	0.551655	1655 0.50925463 (25463 0.80685467	0.91360885	0.59103817	0.9069206	0.7884968
Lysyl cyddase	1.0345436	0.96292987	0.8119967	1 224237	1.4905483	1.540755	1.0503038	0.9836614	0.87238113	1.037748	0.6880021	0.7804682	0.8958171	0.7103228
Phase-1 RCT-252	0.63283825	0.8507309	1.2435949	1.0562601	.86646324	1.0890743	84505063	1.3630141	1.2574004	0.0353903	1.22048/8	4 4300042	4 400670	4 1936000
Phase-1 RCT-29	0.9820153	1.0632365	1.0459349	1.1106569	1.1728984	1,2556/01	1.165078	VBZLLGBC 0	1.16/3625	4 0390044	0 0430870	0 82338357	0.01383755	84517384
Phase-1 RCT-278	0.9054941	1,0023/23	1.1655215	1.0505942	1 0405017	0.0004821	0.0302303	0.07.19221	0 89306927	0.94374886	0.9678512	0.96773016	1.0763406	1,082301
Phase-1 RCT-42	0.8933004	0.3023330	1.04/8204	4 ACCOURTS	1.0028017	4 0768589	7534966	0.6727065	0.7010722	2	0.9315551	0.80830336	0,9280133	0.8264075
Priase-1 PCI - 23	0.67664706	0.6625944	1 020068	1 152223	1 2047365	1.5518407	1 9283788	1.9627807	2.160863	634704	3.921403	8.336285	0.9276245	74109588
Dhaca-1 PCT-202	1 2897984	12037691	12401667	0.93247974	37737277	1.0590807	0.49186495	0.39279765	0.6540458	0.87278515	0.8065297	0.7480793	0.84519106	0.7147696
Complement factor I (CFI)	1.1999593	1.1482853	1.354293	0.707025	0.8058707	0.8094149	0.6993452	0.65542156	0.886451	1.0439342	1.1246915	1.0619388	0.93135834 (75250614
Proliferating cell purchan antigen gene	0.98920596	1.0091459	0.9085991	1,3036764	1.154817	1.3424356	1,218333	1,1726964	1,1873177	1.0491829	1.1203165	1.1143941	0.9657635	1.0552827
Activating transcription factor 3	0.9528345	0.9989253	0.94601166	1.2127811	1.1242064	1,2143363	0.8549494	0.8087356	56 0.67887235	2.1682773	2.4969354	1.606443	1.1929091	1.4835409
Focal achesion kinasa (pp125FAK)	0.83911735	0.9397891	0.89569557	0.9151267	1.0396539	1.0989453	1,249245	1.3170962	1.173637	1.1720437	1242579 1	1240816	0.9108803	0.9569664
Phase-1 RCT-289	0.7444939	0.88730943	0.84607	1.0276419	0.9656249	0.9856671	1.550/843	1 126261 1	4 0043778	1 0863864	2 0098757	2 8691275	96060000	0.9575716
Phase-1 RCT-259	0.8313458	1.0164447	0.881/814	Section 6	C600707-1	1.1302173	1,2301,201	0 53455574	0.67258686	78454072	0.4980847	0.46877794	70777757 O	0.6507793
Iron-responsive element-binding protein	1.1156142	1.0244161	4 1724 808	4 4453495	1 1501518	1 6179262	1 452018	12771279	1.4238466	26731	1.8834743	26017783	1.2590507	1,8106252
MHC Gass I anigen Ki 1.A1(t) aipna-cibin	0.93/96466	O GROUPSE	1 580530	O SARASERA	0.6254887	1 0975543	0.5789882	0.55078506	0.6269673	0.63186544	0.9421171	0.5799056	1,0354096	.86758316
Descent DCT-171	0 8963948	0 9322782	0.8043051	1.0549917	1.047105	1,1361195 (3,81485635	0.8520212	0.8460841	764432	0.8569381	0.7400583	0.9834735	0.967523
Disco 1 DCT P3	0 96045357	0.8750098	0.88744843	0.76793385	0.86244814	0.91573685	1,0445007	1,0061041	0.9213933	1.3663814	1,0099759	1.2271216	0.7528129	0.9743237
Phase-1 RCT-270	1.1587849	0.8684931	0.8844253	0,95977813	3.73392564	0.9525176	38056248	0.30874893	0.4908581	0.90872586	0.37594736	0.29215226	0.8298319	0.5071461
Colony-stimulating factor-1	1,0228156	1.0678982	1.1674466	0.68585217	762097597	0.7292986	0.7310012	0.69040483	0.9377216	0.9953681	1,1305794	1.0300627	0.B626224	0.764951
N-cacherin	0.7700651	0.8667339	0.8223072	1.002831	0.876924	0.80478793	1.1352608	1.1106675	1.2186717	1285661	1,522083	13324326	0.82192653	B7698585
Phase-1 RCT-62	0.7733236	0.8384971	0.7561526	1,2029686	1.1467974	1.242692	0.592608	0.5168133	0.6134642	0.8327146	0.65111953	0.45013955	1,0203608	1.0430721
Phase-1 RCT-22	0.7955966	1.017446	0.9110779	0.9958779	0.9298687	0.875822 (722203560	0.9877099	0.996598	1.1135142	1.1556703	1,0078249	0.9367841	98106146
AT-3	0.92765826	0.85231805	0,9310506	0.83275056	0.92180115	1.0671057	1.022456	1.090334	1.1938004	1.05/8861	121/3805	1.1/44331	0.047.647.31	0.9103372
Phase-1 RCT-18	0.88249665	0.86772513	0.8760584	1.0255771	1.1607585	1.4343021	1,004038	1,0040371	1.000000	0.312/0004	4 4740766	4 0447306	0.05444577	0 01285RR
Phase-1 RCT-123	0,9382651	0.87088585	0.8487685	1.1584042	1.1991134	1.1338612	7.00.3044UD	0.01023247	0 5000054	0.870.032	0 50149245	0.36451775	1.1074275	0.960933
Phase-1 RCT-66	1.10cuan	0.91/4269	133024311	0.9300700	0.2414520	0010100	200	0.020200	10000000	2010	-			
Equiprative nuroberzymionosine-sensitive	0 8031085	0.8494519	0.8038296	1 0255846	0.7445184	0.7546983	0.50714403	0.51755637	0.6827451	0.6166878	0.47448	0.56979334	0.674835	0.6577696
Autoba interpretary	0.0001000	1 1803335	0 94132486	1 107205	0 89752954	7344	1.2971909	12692927	1.1019565	1.1603678	1.4050497	12493626	1,3164915	0.7785932
Multipur resistant rootein-2	0 9618973	0.9805008	12441146	0.9400494	0.9327845	1,3215643	1.5792965	1.9698852	2.148354	6.017208	3,8472168	2.533758	0.9854019	1.1676592
Mulidano resistant protein-1	0.95748365	1,0676801	12795751	0.91320616	0.9066082	1.3235102	1.654165	2,3355112	3.0554683	6.388136	5.6641407	2.9707975	1.0194755	1.2442843
Phosphatidylethanolamine-binding protein	1,2572047	1.1342717	1.1596877	1.0385869		1,3351918	390072095	0.7965006	0.9890383	1.4302558	1 2807 552	1,4343556	1,0604117	1.047569
Phase-1 RCT-180	0.88475966	1.0847899	1.273774	1.0843439	0.96538476	476 0.71002895	1.1841046	12478259	1,3025384	1.5031158	1,9234632	1.8026817	4 0496069	1,500021/3
Integrin beta-4	1.0740211	1.0813682	0.85392565	1.0373653	1,235/535	1.6114	1.3526949	4 007/64	1.4.161999	1.03141	0 8983893	1 0534692	1 6250702	2 008534
NADIAH cytochrome P450 codoreductase	1,498453	1.7011019	C.52.355.025	1.074.9027	1.104334	1 3871698	1,7331837	1.7848732	1.3798563	1.2656085	1,6328262	1.4603977	0.99869347	0.8275863
Endonescus returning secuence 5 and 2 1 TR	0.7114831	1.0412842	1.0786393	0.94862074	0.9620972	0.65020436	0.9369726	0.83422035	0.9717869	0.63140005	0.6018537	1.2743945	1.2354819	1.4847387
Phase-1 RCT-53	0.90475905	0.97348267	1.0248792	0.94123286	0.9852089	0.91664267	1,0085388	1.0895237	0.94854975	1.0555828	1,1372659	1.0569737	1.0028992	1 1536288
Phase-1 RCT-54	1.0068713	1.1263027	0.8517535	0.9460522	1.0193752	0.9903582	1.3408613	1.3828286	1.0203179	1.0202395	1.3678962	1,3439906	0.7950902	0.8554735
Phase-1 RCT-240	ZZ66E66'0	1.0799085	0.8772104	0.957707	0.8039078	0.7754485	1.4947039	1.4187905	0.98964455	1.2611762	12838671	1.3513654	1.2361/11	1.476300
Osteopontin	1,0993035	1.2283897	1,5341511	0.8199865	0.852495	0.80/5//9/	0.66/5586	10/241/01	0.8349823	0.69/213/0	0.3434430	0.301740	4 284 7876	4 2656735
Organic anion transporting polypeptide 1	1.1062709	1.0011588	0.99924135	1.1885/62	0.92704743	1.1904603	0.30514625	0.000000	7 929920	4 638363	40 740494	20 600605	0 8850841	1 0611861
Phase-1 RCT-241	1 1435806	1.4115362	0.0561004	0 9273361	1 1445111	1 172183	1.3688844	12173411	1.2686533	1,5385135	1,3805463	1.3680328	1,0051958	36896868
Civilin desended Linese 4 Inhibitor D27kint fattemate	1.142003	200000	10000	1000										
(done)	1.0150595	1,2392696	1,2235441	1.0884552	1.2397584	1.097322	1.92298	2.4149342	2.1244245	1.8354697	2.0044148	2,1975	1.206373	1.6226885
Phosphotipase D	1.0057924	1.139464	0.84471726	0.95190376	2.6436822	1.2915254	1.35746	1.2322347	1.1510257	0.9708194	0.89822674	12365942	0.9492972	1,0588272
Phase-1 RCT-39	0.9144579	1.0568424	1.1561278	1.0188938	1.032314	0.9608234	2.0104663	1.8651608	1.3624818	2.5527413	2.6035318	3.7526221	0.97279125	1,300367
Phase-1 RCT-258	1.1652151	1.1084135	1.1145973	1.0870785	1.095752	0.9355767	1.1788228	1250168	13101702	1,3133414	1.8473325	1,3501515	4 2403836	1.0103007
Phase-1 RCT-113	0.853385	1.1541718	1.1939532	1,2006372	1.3769175	1.1506238	1.0776355	1.1353636	1.0/31003	1,495/01	1 979147	13316985	0 70401174	0.5463024
Adenine nucleotide transfocator 1	0.8873047	1.2109/46	4 700044	1 0908344	1 0436417	1 2616029	4 509493	4.9163413	4.805954	4.8176756	18.4275	20.917229	1,0378089	1.0690191
Milk class II anticon DT4 B.4 heta-chain	0.95679075	1 4240277	0.7423931	1.0500097	2.304769	2957215	0.9445169	0.9702276	0.73944	0.8055407	1.0530485	1.2686187	1,264002	2.7805927
ואחוכ משפה וו מחוקפון היו ויסיי ניפומינומיי	חיסב וחים ח	1,76,704.	0.17600011		1									

				Toologoup 5	CA-00000	0.04779441	4 484577	1 2105657	1 3983166	1 2023584	1.8117638	1,8012406 0,86019975 0,82496333	86019975 0	,82496333
Organic cation transporter 3	0.85417356 0.8509718	0.8509718	1.1386436	0.6/6/932	0.8319373	0.01/2/3	4 2420000	4 244 4 760				1,6717621	1.0429373	1.1540596
Lhamistanding factor 1 alpha	1,2035633	12784824	1.2035633 1.2784824 1.0129552	1.1276222		1.1801336	CDO0715°L	341110			142000	ļ.	ı_	1 1948143
Thornau and a second	4 0000000 4 00716BG	4 22746BG	1 0195297	1 0195292 0 9099741	0.8717761	0.8007717	1.1786386	1.5260037	1.49/1082 1.3//41/2 1.442033/	1.3//41/2	1.442030	200	1,	
Phase-1 RCI 43	COC. C. 2,100		0 9423441 0 0814718 0 99130957		0 8459142	1.1010942	1.1865029	0.9878581	0.8456555	0.9878581 0.8456555 0.8873325 0.9303558	0.9303568	0.6356333	200	
Phase-1 RCT-45	1.0015119	121/03/2		0.30147 101 0.33123337		7344907	0.5033197	0.45795557	0.8342587 0.834258377 0.98122823 0.8342587	0.98122823	0.8342587	0.6390433	~	.69234324
Malate dehydrogenase, cytosolic	0.96279275 0.91032773	0.91032/73	1.5265/0/	0.638000	0.7 10 12 107	100	4 004755	0.07000454	4 478730R	0.7E7R3174	4 478720R 0 76783174 0 6895462 0 90064037	0.90064037	1.2088796	1.1420548
	0.69961035	0.72504777	0.69961035 0.72504777 1.0768445 0.9493821 0.989834	0.9493821	0.9806524	0.30401302	1,000,000	0.47002657		96354475	0 626961 0 9635475 0 97736153	<u>. </u>	1.0827792	0.90967906
Phase-1 RCT-189	1.131617	1,0012103	1.0993268	1.3008734	1.0993268 1.3008734 1.16/1093 1.4089049	1.4089049	0.090000	1 07772805	1 104028	0 997001	0.8507846	0 997001 0 8507846 1,0970176 0,89653003 0,77783704	50053988	.77783704
Alpha-fetoprotein	0.9573724	1,0300446	- 1	0.9660452	0.68008505	1.1330300	1330300 0.30030	0.05400673	<	0 86761296	0.8184285	0.72324526	0.6840637	,59905607
	0.97773916	0.9804851	1.0357721	1.0357721 0.9249118 0.90461355	0.90461355	12/214	0.00033340	0 0241742	0 9241742 0 92610073	1 7818252	1 7818252 1.1581029	1,542156 (1,542156 0,94790757 0,84010216	.84010216
nogen activator	0.93026847	0.9031077	٧,	0.8689385	10202300	1,100,000	90004000	1	0.60528886 0.66997206	0.8396912	0,8115684	10	1.0507346	0.9256781
Phase-1 RCT-195	1.2019813	1.060004	- 1	0.91723/1	0.91723/1 0.92524195 0.0363400 0.03619300	0.0303400	0.03013300		0.22077642 0.5910113	1 1415094	1 1415094 0 90704628	1,1220372 0.93404704	0.93404704	1.2421266
Liver fatty acid binding protein	1.3139386	1.1708956	- 1	- 1	1.28/336 U.88/16436 U.833310/4 U.304036	400000000	O KAKKA72		0.485605 0.79533136	0.9950704	1.0803594	1.0903594 0.89133894 0.8685601	0.8685601	
Alpha-1 microglobulin/bikunin precursor (Ambp)	1.1522961	1.018147	Ш		0.320307	0.2100430	4 20045244	1 2524477	1 1274827		0.8153698	0.8153698 0.86894065	0.9673918	0.9788305
Phase-1 RCT-294	0.91363966 0.90847987	0.90847987	_1	1.0152949	1.0162949 1.11/8249 1.40/0/16 120/32/1	1.40/0/10	0 0033704	1			1.1768075	1.1385784	0.8228207	0,8456069
Phase-1 RCT-151	0.9588433		_1	0.9016503	0.9016353 0.0013782	ᅨ		1		0.96985361 0.8398617	0.8398617	0.8297919	0.9583955	1,088921
Phase-1 RCT-158	1.0482938	1.0919679	- 1	1.3267365	1.4191161	1,28931	908809 O	1 1177518		1,1702023	1.0630688	1.0842638	1.0972105	1.2254709
Phase-1 RCT-221	0.98695654 1.0090134	1,0090134	1.1305184	-1	2218118.0	24771010	0.000000	4 00043	1	1 100444	1 0721369		0.98187363	1.1196438
Phase-1 RCT-235	0.82238644	1.1053965	0.82238644 1.1053865 1.1778795	- 1	0.8541992 0.84768236 0.85541856	0,85541856	1	1,00043	4 2000000	4 2000003 0 72485775 0 85348805	O BESTARROS		13500048	1.1609321
Orosofe anion franshorter 3	0.9101939	0.96011895	0.9101939 0.96011895 0.80730534		1.151909 0.8906627	1.6443311	1,24/4333	1	1.2000033	2 1 100000 1 1000000 1	2 035383	_	1 68073	2 1468914
Marie mobilionatoinaea.1	0.81699014	0,90979093	0.81699014 0.90979093 1.1867009	1.0106953	1.0106953 0.94322777	0.95396813 0.86935184	0.66535104	- 1		0.00000	1.191240f 1.4051120 C.00745340	A7844CT 0	0.7547575 0.63739055	63779055
Inches and the Constitution of the Constitutio	1 6610738	ı	1,127961 1,1706344 0,9529336 0,94526833	0.9529336	0.94526833	0.9305329	0.9306329 0.59432524	- 1		0.000	1000	0.00000	200	O BEKTRE
Unitary protein 2 pressus of	1 1306/77	ļe	1 0897845	1 0095264	1.0338799	0.9202671	0.9132324	0.89087695		0.86228055	0.9327826 0.86228055 0.88366354		0.307.577.75	2
Phase-1 RCT-212	1.1300477	0.33430013	•					_						
(1) Gene expression data for 6 hour timepoint are														
presented as mean ratio of treatmenycontrol for all o														
hour predictive genes (Table 16).												_		
(2) Compound and dose abbreviations as in Table 1.														
(3) Individual animal number														
(4) Liver inflammation dessification for compound-														_
dose group at 72 h; yes-nect, necrosis observed; yes-														
both, necrosis with inflammation observed; no, no														
histopathology observed														
(5) Predictive gene (as in Table 18 and as included in														
lable 25)														

Takia 28 Evacesion Data for 6 Hair Umandill (1)							-							
1				00,00			П	00 4000	00 4 3/1	ON VUND	0 0	DEV 8	DEX 8	(E X 30
	CPHOS 25	CPHOS 100 CPHOS 100	ON SOH	2153 CTCA 20		CTCA &V	C1CA 20	16	8	12	1341	1342	1343	1351
Animal Number (3) 1 Iver Toxicity Inflammation Classification (4)	0	2	200	2 2		2		2	9		-			2
Gene Name (5)				_										
Insulin-like growth factor binding protein 1	1.086005	2.4847174	12253555	2.5293207	1.3858792	1.5627766	1.5027355	1,6708524	1.975271	1.8783271	1 2676107	1.106588	1.1350/5/	1.0485085
Gadd153	1.3905258	1.053/983	2465905	1,007,254	4 4040753	1.2304333	4 0037245	1 0696504	4 4 365833	10419921	1 1998047	1 4857271	4 6397022	1 2892656
CATTAC	1,3/9/303	11156201	1 109444	1 2279603	1.0863699	0.95376974	0.8763466	0.8903206	0.96199274	0.9074218	0.708931	0.74878573	0.8138657	0.7794031
Cathersin sequence 2	0.7994248	2.175082	1,3696542	22591949	1.2628628	1,5413916	1,808275	1,6041257	1.6025063	1,9211249	0.93830025	0.8948854	0.91915214	1.0548416
Heme oxydenase	0.95276296	1,0892235	1.5192341	2.1460571	1,2912079	1.7650267	1,7054217	1.1714281	1.4153603	1.5725106	0.7801099	0.74070513	0.9325072	0.89936113
Prase-1 RCT-109	1.232109	1,606749	1.1282215	1.6901292	1.4259855	1.8186828	1.9651722	1.2812439	1.8000189	1.734601	1.1542435	12114013	1.1230381	1 2200902
Phase-1 RCT-111	1.2648435	1,3625948	1,4270885	1,4349064	1.150441	1.3446243	1,4214185	1.2048062	1.1800005	1 2065485	1.1133733	1.0234185	1.0759653	1014309
Argininosuccinate lyase	1,5341467	1,4060395	1.4986552	2,9141905	0.8436613	0.8117246	0.9025778	0.9207423	0.6909263	0.8176806	1,0564291	0.8346627	0.9890663	1,6101335
DNA polymense beta	0.63000345	0.73476385	0.6565252	0.7665753	0.8613894	1.108695	0.88063425	1.1402192	1.1682669	1.1222135	1.1305/83	1.0602/28	1.0945216	1,0331613
Phase-1 RCT-103	1.1910741	1.3025428	1,3423636	1,3939061	1.1130981	1339065	4C80006-1	1.191/15/	1.1351021	12490022	4 4 7774770	1.07.30433	4 204 4002	77007
Ritosomal protein S9	0.618932	0.8194764	0.67029977	0.9600851	0.9922133	1.4847287	13423/71	2.0156808	1.4721861	13/978/8	4 474B464	1.27 / 0034	1 5052474	1 9774759
Phase-1 RCT-114	1.141499	0.93043476	4 22672	4 0000000	1.081962	1.120/169	1 2364718	1 1572878	1.02032//	1 332664	1 0463127	0 89691895	0.899007	1.4741883
Phase-1 RCI-15	0.0662466	1.9210//2 4 807565	4 4973617	1 84745	1 1189542	1 6698467	13748304	1.5260947	23906202	2.145872	1.2837749	1.3842411	1,813666	1.3204743
Nacophage marmaray protein-2 appra	0.3006150	1,000	independ	2	1.1									
profeio (PC3)	0.7577347	0.8182016	0.66895145	0.8768684	0.7221685	0.8937983	0.77667767	0.83920763	0.8357265	0.8228612	1.0475305	0.8079878	0.854571	0.88090956
Phase-1 RCT-191	1,7775671	12228701	1.3671635	1,6865999	1.2104044	0.95736897	0.97602457	0.9218824	1.0825875	0.9794379	1,2650518	1,0639668	1.2521787	1.6555875
Phase-1 RCT-63	1.4339598	1.2328489	1,3847375	1,3605396	1.6145573	1.060319	1.1630223	1,2851647	1.2786711	1,3161339	1,3277495	1.5619116	1.3195839	1.1757402
Cyclin D3	0.9152184	1.0454543	0.824949	1.2278924	1.242057	1.598238	1.534539	1.200168	1.4163213	1.582292	0.8845426	1.1960592	0.8931083	0.6286088
Phase-1 RCT-108	1.1487452	1,3159002	1,4000332	1,3821106	1.0940012	1.3714831	1.3019214	1.0674562	1.1024394	1.183934	1.0427574	1.03776	0.96709883	1.0367292
Phase-1 RCT-56	0.9569343	0.46804294	0.48376888	0.49051148	0.8873862	0.97177947	0.97949374	1.0846391	0.9927687	1.1157898	0.6474903	0.42072177	0.5789951	0.47141153
Phase-1 RCT-192	0.7564621	0.86702067	0.7514841	1.1624231	1,4574836	1.4227344	1.167298	1.021721	1.1538043	1.241656	0.8807747	0.7933118	1.5777295	0.883/0/5
Phase-1 RCT-75	1.2245024	1,0181552	1.1273503	1.095369	1.0168229	1.0215611	1.0416287	1.0132331	1.0354784	0.92537016	1.0288439	1.0893854	1,050579	1,87,3550,85
Acetyl-CoA carboxylase	1.0908287	0.8337498	0.8834515	0.84162074	0.9767702	0.950153	0.9375011	1.050/255	1.0813822	41038016	1.090/692	0.50/5013	0.83140/75	0.0035374
Phase-1 RCT-95	1.1825768	1.2684954	1,3211199	1.3751658	1,1835008	1.23830/5	4 1827809	1,0145338	0 0207433	1 1635357	0.87813014	0.9384477	0.922758	0.89957124
Cystatin C	1 1717484	1 0348758	1 082748	1 0952854	1 1106856	1.1849788	1.1604351	0.92699754	1236216	1.1589782	0.9014867	0.85267913	0.87256414	1.1160021
Phase 1 RCT-9	1 0603755	0.6380763	0.6818536	1.0573547	0.8770622	1.031445	1.348072	0.996568	1,8189723	1.0633334	1.1943313	0.9671531	1,0633253	1.0239973
Gardas	1.5678291	1.4900218	1,4199187	1,8735077	1.3334124	1.0859015	1,0681955	1,0056016	12379446	1.1710308	2.0514271	3.5367138	2,8699548	2.092824
Phase-1 RCT-156	1.157174	12878752	1,3242923	1,3890914	1.1266472	1.2729598	1.2767326	1.0496461	1.0312539	1.1309888	1.0130591	1.091812	0.9738727	0.96204495
Cofilin	0,7290854	0.69061553	0.7335169	0.649578	0,87178224	1.0083987	0.98605215	1.0449038	0.8192608	1.1762862	0.8939909	0.7992973	0.76409686	1.0973856
Phase-1 RCT-127	1.1599785	1.0408914	1.003346	1.0392346	0.9632683	1.3328681	1.4026546	0.99534756	1.3650078	1.2906947	1,1783849	1 3500670	1.043040	1 0311347
Macrophage Inflammatory protein-1 alpha	1.7150396	1.0700101	1,3/9/919	1,0155/52	1.0115336	0.70002007	1 2272456	1.0303437	0.001912	0.90.43073	7079707	0 8073008	0.8154201	1 0725034
Cinc tinger protein	0.02033304	0.8733043	A FARES	0 9189046	0 9932917	0.8367233	0.89517784	0.87946683	0.8266149	0.9943274	0.96803814	0.9378202	0.85840803	0.94933885
Chambe combalses	0.87068025	0.47582483	0.6574614	0.8403165	1.1767477	1,3342221	1,4024062	1.7561529	1.3998247	1.3604645	1.1391616	1.167084	0.92793673	1,1994969
C4b-binding protein	0.6300583	0,65654135	0.57627714	0.6627492	1.0005138	1.3059664	1.3145951	1,1054826	1.0395092	1.171393	0,77741575	0.734317	0.747693	0.5953353
Phase-1 RCT-242	1.4243038	1.2582949	1,2363948	1.2231609	79556560	0.94755036	0.9666293	0.9184537	0.9891263	0.97702855	1.2481409	1.2973025	1.3919817	1381328
Phase-1 RCT-50	0.8181895	1.0559547	0.9538594	1.1368506	1.1796147	0.96411395	0.9935789	0.9356622	1.0353138	1.0311953	1.0012553	1.1225268	1.133896	1.1990293
Elongation factor-1 alpha	0.70340675	1.0409058	0.9001384	1.1790899	1.05/0651	1,2882509	1 2000048	1.2042097	1.3330120	4 4490557	1 234 885	1 3099735	1 4763737	1 2379732
Integrin betail	1.1215075	4 449407	1 2432130	4 2670302	1 3771694	1313932	1 290121	1 5525892	1.2597723	1217415	0.86389065	1,0175732	1,0956516	1.1919459
Dhaea.1 RCT.50	1 0679843	1 1846848	1 2977837	1 5810862	1.0025473	1,1281986	1.0807378	1.1163602	1.145961	0.8559114	1.137144	1.2653494	1.1582404	1.620731
Phase-1 RCT-76	1.1277822	1,3179508	1,4550163	1,393394	1.19115	1,4408635	1.410367	1.2435436	1,2366388	13772589	2.1066334	2.0709503	1.9158683	1.2941688
Fertitin H-chain	1,3000276	2.3920352	1.6393383	1.9972931	0.75637245	0.91989255	0.9576925	1.0956482	0.7133642	1,0063157	1.102701	1.0742872	0.9369315	0.9607744
Selenoprotein P	0.63784593	0.81850564	0.7920033	0.8323217	0.9241233	0.7942934	0.8308521	0.9288439	0.59481734	0.94121456	0.758014	0.55451204	1 18202047	0.58100444
PTENMMACI	0.88332534	1.129009	0.970295	0.91460496	12157928	1.061669	1,0263054	1.31401/	1.111305	Secretary of	200013870 28673060	1.2.17.3043	0 7010713	0.5956601
Phase-1 RCT-214	0.86252856	4 0304 503	4 4202082	0.56543/8	0.89593804	0.3440223	0.0675797	0 9405811	0.780748F	0.74268353	0.86777764	1.1171975	1 2000902	0.9912169
Phase-1 RCI-112	0.02200130	1.0304302	0 994744	1 0224415	1 0200262	0.8720166	0.8695486	1.080214	0.9775475	0.92965955	0.672777	0.8202269	0.71413255	0.67350507
Phase-1 RCT-13	0.6488344	0.7904748	0.6465553	0.6802013	0.78219926	7.146516	3.6587672	1.6302555	2.7986171	0.87619734	0.8237281	0.9249601	1,0601746	1,1876016
Nucleosome assembly protein	0.59122485	0.5295967	0.73322695	0.90419424	0.80183697	0.62313926	0.6522236	0.80564946	0.7347529	0.64612484	0.7220354	0.687533	0.78149104	0.7188268
Cholesterol 7-alpha-hydroxylase (P450 VII)	0.75025594	0.7788107	0.8876715	0.93503225	0.9215853	0.67084384	0.7167631	0.8200423	0.7330146	0.7024047	0.7875821	0.94256884	0.8550/45	0.71050635
Vestcular monoarrine transporter (VMAT)	1.6171608	1.0101476	1.2132521	1.1349/5/	0.6186/124	0.87/3361	0.84371465	0.8705797	0.7481392	0.71918565	1 0350372	0.9887553	1.2242185	1,1067293
Phase-1 RCI-260	1,30/55/4	0.8/042130	1,000,000	20000	U.boowec	0.101.01.0	0,0000000	0.04004		-				

							11,000,00	1000000	1 2017 102 1	1 2005271	19696419	0.8858117	1 2387853	1 5780932
Phase-1 RCT-32	0.8469775	0.8940812	1 7510180	1.791.1087	1 3467733	12074499	1.1045846	1,2190531	1.3925399	12573432	1.1299223	1.1812778	12121663	1.0295517
Peroxisome assembly factor 1	0000000	1.9200073	1.2313103	05853408	1 0740162	10395677 0	96924436	0.998879	1.0761906	.99631155	3,84190154 (0.91532284	0.8821058 0	92256826
8-cooguanine DNA glycosylase	1.0210433	0.000355	1 0021866	0 85224626	0.96153104	389376545 0	.88647944	.84194994	.84680843	0.7814538	1.0922055	1.1130445	1.142924	0.97385873
Prese-1 RCI-82	1.142/210	1 0747219	1.1532036	0.99124146	1536	0.81583047	1.1858779	0.9605946	0.7610085	0.7555623	1.0407883	1.0658776	1,0724505	0.7157832
Disco. 1 DCT_184	1.0073862	0.6783432	0.86354788	0.6968791	1,0086985	1.0077202	1.0350258	0.9911519	0.8504975	0.9707692	0.9391322	0.85/2//6	10000000	0 50016
Phase-1 RCT-168	0.646455	0.71391577	0.69920204	0.51447725	3.83732414	0.8988438	0.9681823	33058974	0.8178372	701455572	0.00000	4 4548507	1 1723303	0 9768366
Phase-1 RCT-119	0.91775626	0.8998294	1.1084354	1,042591	374739	0.92178017	1,0017986	0.9807099	0.021719	0.501577	98320	0 99087965	1 1893786 0	84853804
Carbonic anhydrase II	1.108576	0.5240506	1.220245	992716	0.84838957	1.45645484 1.0130888	0.702295	0.7430416	0.80646455	0,8904945	0.730473	0.8443807	.66502863	0.7685609
Tryptophan hydroxylase	0.94930154	0./38134	1.047/817	1 44 19555	1 1681427	1.1653315	1,1954005		1.170251	1.0406955	1.3495172	1.2126992	1.4044182	1.7031835
Phase I RCT-71	0.30412333	0 8274637	0 70777774	1 008307	1.1079361	1.6419836	1.4292796	1.7407955	1.9883666	1.7229999	0.98729146	0.951387	0.93259656	1.413844
Phase-1 RCI-179	1 4949017	0.81453605	0.65511537	0.74309367	0.65408427	0.41213134	0.5094573	0.7814521	0.644448	0.61186314	10538521	0.93473417	1 0	79285785
Mase-1 KC1-101	13157319	1.3795277	1,3000697	1.4803665	1.1154239	1.1237066	1,3242997	1.0974792	1.2349092	0.98616636	13837559	1.3576558	13/43293	2.2889304 4.7258472
Phase 1 DCT-144	1,0168767	1.0562986	1,0606049	1.0546496	1.3602147	1.5189047	1.2960958	121975	2.1631913	1.641503	12642/03	1.15/3822	1.2143/65	1.7.30 22
Dheed BCT-225	1,1373031	0.79635304	0.78498524	0.6127531	1.3494039	1.4222478	1.3610284	0.802034	0.794386	0.9515151	1.0830187	1.0209763	4 0545346	0 7120645
Cytochrome P450 251	0.5902626	0.58438396	0.5954781	0.8424572	0.8442712	0.86274695	0.9585818	0.9210291	1.110/1875	0.6958655	4 00000364	1,0002132	1 0882101	0 8873245
0.1	1,656492	0.9822516	1.1492193	0.8987915	12017941	1.0905391	0.9930104	1,029898	1.33//413	1.1835/2	0.85636145	0 83447605 (0.86342126	0.8604289
Thioredoxin-1 (Trx1)	0.83506154	0.993747	0.86539125	0.8606149	0 99305785	1.1818565	123408/	1.1002413	1,31,3422	1.3170000	23000	0.5964452	0.7135139	0,563068
Carbonic antrydrase III	0.91989374	0.12892455	0.25660625	0.16238113	0.4942864	4 4 4 6 5 5 7	4 0338136	0.0477455	0 949104	-	1.3457338	1.4373207	1.4511006	1.1999737
Phase-1 RCT-140	0.9861143	0.974722	1,0555/18	0.93054533	0.8871017	1 368949	13074298	1.2461753	1.2431998	1.3236004	0,8269759	0.9339426	0.90215737	0.6692497
Complement component C3	0.062.29123	0.0900374	4 4305505	0.337 133	1 6630741	0 9114418	1 2507352	0.99702895	0.82382756	0.74807984	0.7225674	0.8764944	0.7566172	0.8425842
Głucokinase	4.476466	1 075616	4 284128	O DROZGES	0.9597111	0.8733755	1.1857427	945	0.9157315	0.8866758	1,0177357	1.0267015	0.9898535	12216451
Phase-1 RCT-173	1 340043	0 0635718	1 1864269	1 0833708	1.086504	0.9051355	0.98914623	0.9022956	0.9761133	0.8698223	1.105397	1.0517441	1.05/4143	1,0921265
3-methyladenine UNA glycosylase	0.636024	0.8805089	0.69120383	0.92966443	1.0438043	1.1017718	1.0142903	1.1292479	1.0320228	1.1004341	1.1097003	1.0085999	1,026173	1.2851489
Prerogsorial modulicational enzyme type in	0 65954024	0.6625125	0.6895482	0.5673148	0.82379454	0.7740365	0.83447877	0.8212654	0.6567124	0.7676137	0.9464196	0.8992323	0.7824384	0.7343048
Seneconde marker amble 30	0.5463171	0.3505011	0,30408594	0.36581483	0.777779007	0.8961045	0.68033653	0.56264156	1.1559547	0.7006141	0.52759254	4 4000044	2 0256 13630	1 61BG402
Cyclin G	1.4873523	1.1576024	1.4068509	1,5097153	1.5629607	1.2849181	1 2373999	1.1067655	1.333024	1.5311062	7509900	0.8934295	0.8713636	1.0901451
Melanoma-associated antigen ME491	0.9693549	0.9707179	0.8676796	0.8841678	1.1790683	12803015	0.5605118	0.89/6139	1.135/034	0 85337484	0 84311384	0.88910854	0.779627	3.96408546
Phase-1 RCT-28	1.050478	0.912296	0.7611133	4 05007	4 0750086	1 0233744	0 9121569	1013781	-	0.8785525	0.9509556	0.9745811	1.0351745	1.1860683
Emerin	0.63432305	0.8223734	978277730	0.6719592	0.778714	1,0733356	1.3866822	1.1541663	1,0172511	1,6160275	0.68265665	0.7847468	0.66364074	0.40463632
Stem real factor	0,7097413	0.45667776	0.5466166	0.5858542	0.8795533	0.9902129	0.79057556	0.7453783	11172677	0.8319036	4 4675004	1 3780375	4 804769	1 5104975
INK1 stress activated protein Idnase	0.729899	1.0388328	0.8536918	0.97665924	0,8321593	12575207	1.6305201	1.7490492	1.426341	2041436	1.4020094	0 7804416	0 97773813	0.9587758
Protein tyrosine phosphatase alpha	1.1941772	1.0023588	12398766	0.9353305	1.0592332	0.71438354	0.8025058	0.94808/93	1.04123/3	0.75453	1 3644245	1.3198231	1265233	12543198
Phase-1 RCT-55	1,5679711	0.9930617	12771955	1.1327554	0.90976876	0.94015074	1.0776744	1 8244380	1 5250822	1 6920667	1 3024272	1.3462974	1.3540735	1.6043805
Ubiquitin conjugating enzyme (RAD 6 homologue)	0.6383004	0.992878	0.90971357	1.0861177	1.0265228	4 4496314	1.4200741	1 1604326	1 2616745	1.2975012	0,88121076	0.97189667	0.92828137	0.70380056
DNA topolsomerase I	0.7057418	0.7260371	0.674591	0.66491514	0.9203103	0 844517	0.835333	1.0113076	0.7665545	0.8998672	0.92478496	0.81157625	0.79614276	0.98528004
Phase-1 RCT-280	4.0903846	4 2765456	1.084715034	1 2016/898	13657142	1,5930569	1.8564385	1,6509271	3.5769284	2,359766	1.0498444	1.1783663	1.2190272	1,0162449
Superoxide dismutase Mn	1 4226933	1 (363526	1,0280998	0,9383087	1,0093101	1.4135209	0.9034575	0.9851387	1.1159232	0.7974778	1.0421367	0.8633926	0.91667086	1.3430926
Detarmed shorehole swithsteen i	0 70760435	1.0196278	1.1845397	1.1805753	0.502954	0.73227894	1,0081482	1.1251868	0.7939403	0.78249294	1.0964962	1,8698651	1.6263413	0.3703736
Diacydyropol kinase zeta	1.0572102	1,017746	0.8014446	0.91081285	1.206686	1.2428441	1.1692926	1.2558833	1.3895992	1.0850159	0.0300024	0.00001764	1 004453	1.0782341
Phase-1 RCT-141	0.792707	0.9681345	0.8492498	1.345541	1.7356246	3.1287632	2.9601212	2.1362883	1 1136858	1 0505913	1.167013	1.3180228	1.445074	1.2844964
14-3-3 zeta	0.9918877	1.3561543	12397512	1.4723117	1.091.5042	1 1777919	1 3830668	0.8963456	1.7347944	1.001	1.3071884	12535672	1,237317	1280311
Gamma-actin, cytoplasmic	1,702/,	0.2000	1,0348044	1 6821706	1 5412277	1.8160518	1,7179817	2,3402135	2235569	1,8361284	12827929	1,3618011	12714775	1.1614312
Ribosomal protein L13A	0.8524658	0.995986	1.0478123	1,0482745	1.0270636	1.4296968	12388713	1.3021822	1.4953034	1.4641882	12000399	1.1033971	1.1672125	1.3072855
Dhase 1 PCT-65	1,7493815	1,3491628	1,4387356	1.3280704	0.88509786	0.7892828	0.8739781	0.799988	0.8365154	0.8274743	1,0342023	1.1050642	1,1402403	1 5094707
ofu	2,2498862	1.5425799	1.8548172	2,210535	1.1986566	1.0961754	1.1306467	0.9816714	1.0766805	1.1322987	0.048570	1 032105	0 8339993	1 2026467
Protein O-mannosyltransferase 1 (Pornt1)	1.3841608	1.5890355	1,6828046	2.5646858	1.334231	1.0260279	4 2442426	1 1558855	1 0657507	1 124024	1.049766	1,0887352	1.1139389	0,936699
HMG CoA reductase	1.7846411	1.2877692	1.284006	1,3010964	1.0949218	1.1773819	0.95195657	0.9557878	1.1467974	0.98148364	1.162594	0.9627674	1.0790242	1.1498194
Phase-1 RC 1-12	200000	7,001	200						, 600000	3000000	0.00454477	0.0037532	0.8694944	1 0676143
(PC4)	0.791119	1.1207484	0.900986	1.4844143	1.0364828	1.1643105	1.3609716	1.3141092	1,3790201	7.2410325	0 9638104	1.1488938	1 2393564	1,1766461
Glucose-regulated protein 78	0.74562144	1.0021191	0.5361594	0.76224667	2.0915982	3.0012345	1 1849707	1 2546198	0.9705944	1.0345578	0.9492603	0.8169687	0.7763053	0.94295645
3-beta-hydroxysteroid dehydrogenase (HSD3B1)	4 0300916	1 348712	4 4530007	1 2345183	1 1349472	1.0082724	0.9897853	1.0017357	0.9876387	1.0481861	1.1000617	1.4060401	1,3827395	1.1101452
Caspase 6	4 350794	1 001798	1 2806185	0.9413649	0.9545679	0.754987	0.844219	0.9421971	0.78181913	0.7981501	1.053975	1.1383448	1.1699146	1.0354978
Phase-1 RC1-103	0.980089	0.950670	0.98783394	1.1544585	1.113861	1.1211852	1.2700075	0.99716157	1,1335856	1.0945284	0.8987544	0.9054094	4 4605734	4 COSEC 217
Phase-1 RCT-34	1.327277	1.028132	1,0646019	0.77224004	0.7587988	0.700376	0.70067275	0.7539919	0.7629598	0.66222938	0.8664432	i noceoon	11000131	1000000

													1	0,000
Phase-1 RCT-72	1.1775148	0.90421224	1.2450476	0.9836636	0.930736	0.871094 0	88568974	0.882441	BZ140555 0	1,62430714	1.1128618	1,2165166	7224332	4.040720
Pynyate kinase, muscle	1.0947062	1.2724626	1.1970702	1.5223846	1.2466319	1.1463/06	0.02/2018	RAHAMADA	0 5814014 0	73303304	0.8798788	0 82923734	0.84165895	0.754511
Phase-1 RCT-288	0.60621035	1,000,02233	4 3000338	1.0677824	0.9830196.0	ZB09994	8932062	0.8676778	0 8969924	0.8008804	1.034347	1.1307698	1.2045144	1.0471683
Phase-1 RC1-90	7,591997	7398677	0.6618376	0 8399526	0.524011	1.4968578	0.538632	0.811209510	69610673	0.6767565	0,4946185	0.5157458	0.38107358	,33968672
Cydomone P450 2039 (Briemale dune 2)	1 2001120	1 27979073	1 3020499	1 2868922 (1 68402314	1.0945112	1,5216583	1.4639759	1.2645109	1.285238	3.7936568	3,9912112	3.737788	3.3147647
Descrit Not 284	0 86871226	0.8001329	0.7811614	0.82257326	1.0754166	1.099326	1.1128162	1.0501728	1.0719348	1.2479833	1.0290228	1.0042456	0.97463363	0.996794
Methyland-Cod racemase alpha	0.6462023	0,5643156	0.6241026	0.7391725	0.793802 0	44341367	0.8080675	1.0758433	0.7879705 0	0.91722835	0.9264293	0.8129365	0.7894981	.81836843
Cytochrome P450 1A2	0.93343884	1.0354987	1.1541384	2684	1.1901003 0.87	87538624	0.8827773	0.8995994	8	0.8966128	1.0628875	1,3506775	1.4501829	4 062204
Phase-1 RCT-297	2.173238	0.83642703	1.1907717	0.886803	1.1530432	0.9675882	1.2660606 0	0.90990998 D.B7083	8 5	4 4 706746	1.1335/3	4 407547A	1.0492170	1 3150407
Monoamine oxidase B	0.74549943	0.94531053	0.7542961	0.838301	0.7225/210	260/26TL	1,3000023	1.3333204	0.4548733	0 5845138	1 0074131	0.89726704	0.8585979	68483426
Phase-1 RCT-264	0.56452507	0.5124559	0.39244416	0.52955264	0.6530499 0.66	9000000	4 2754002	4.012004	1 0377584	1 1558606	0 68614066	0.03/20/04	0.7438429	0.5281569
Peroxisome proliferator activated receptor gamma	1.1809654	1,0745851	1.0844343	3	ēķ	0.303/314	07549400	100000	DAKA428K	1 06765834	96231943	0.8704195	0 83858718	0.8863715
Phase-1 RCT-143	0.8395611	0.7122528	0.8073692	1 3003760	4 4000004 4 0	1.50500457	1 0721445	0 9468606	0 94453433	0.8960406	1 1307096	1.1768186	1.0193617	1,6001987
Phase-1 RCT-251	0.6807913	1,00013/3	0.300001	1.3003203	A EEZDONEA	4 0400765	1 3512064	94140685	285392	1 0965956	1.1862301	0.83523947	1,0496515	0.85003436
Phase-1 PCI-117	1.3435455	1.040237	4 3300775	A R 7 4 3 6 0 5 6	1 91475207	0 7905885 0	0 74523884	1.0124817	0.8686228	0.8677364	0.9780331	1,0998174	12486391	1.77890027
Citathone o-transferase meta-1	2000000	4 04 40038	4 000044	4 1423843	0.9328963	1 0448877	035632	0.95020115	3.86045843	0.8839667	1,0131706	1.1475933	1.1004683	0.938683
Phase-1 RCI-91	4.2505430	200574000	4 DROS276	0 8419444	0.7757964	0.7964233	0.9754536	0.7878489	0.7736454	3,80533713	1.0641618	0.99283258	1,0479692	3,98222164
PRESET PC 140	0 70440505	0.0205587	0.76097476	933560	0 9247005	11279864	1.0822128	0.9680621	37434556	1.1142063	0.8047945	0.73436743	0.74932903	0.9401361
Addition to the control of the contr	4 0881088	1 126493	0 99349874	0.9782022	1.0739388	1.0331719	1.2861736	1.002837	1.0506861	1.050097	1.2325909	1,4036249	1,3530539	3,96621984
Activity receptor type 11	201000	4 3478474	2 08501181	1 4979753	0.6308956	89780164	1.2700384	87325484	0.816303	0.75348675	1.6179028	2.0683088	22775702	3.2652516
Gydne memyluansterase	1 007756	1 122838	1 3716874	1 2755655	0.9250263	1.3470992	1.1242534	1.0990286	1.0937502	1.1479341	0.5652035	0,57951033	0.45817205	0,7346756
Citize permissible factor	0.7897724	0.9028446	0.77928764	0 94727415	1.0396867	1.0263141	1.0491691	1,036874	1.2523328	1.0322467	0.909032	0.9493059	0.8631502	1.85239565
Gan inclin mentione channel ordein beta 1 (Gib1)														
	2,359621	1.3908073	1.6675842	1.6097574	1.0656532	1.282581	0.8700535	.84780926	0.7973659 (0,80604184	1.1113937	12295775	1.2887405	0.7316972
Phase-1 RCT-96	1,2246518	1.0697479	1.1788566	1.0939678	1.0835053	1.0497148	1.0106077	1.0343422	1.0486927	0.9498105	1.1021725	1.0123078	0.9470785	1.180618
Phase-1 RCT-287	0.625103	0.7938092	0,6993159	0.78284746	1.2399744	1.2551234	1.1686116	0.9747023	1.0218469	1.15959	0.9399977	0.87089	0.9056751	0.8755269
Refinol-binding protein (RBP)	0,56957513	0.657206	0.54946566	0.84901635	0.9902904	1.0074385	1.0857089	1.1115843	0.88504773	1.112769	0.8656797	0.68451464	0.695011873	78062064
Very tono-chain acyl-CoA synthetase	0.54155654	0.75774527	0.63472307	0.89431417	0.90403384	1.083028	0.9460476	12057898	0.97204435	1.1050625	0.84/6405	0.7938783	0.037.000	7,020,000
Syndecan-1	0.96418655	0.84206927	0.9643011	0.8018927	1,0084637	1,3896203	1,23832	1.1538033	1.0526726	1.229769	1.115095	1.13//165	1.1544039	1,0459127
Stathmin	1,1712228	1.1066927	0.9875657	1.069224	1.1228085	0.91215414	0.7962466	93633696	4.0093014	2330000	1035346001	0.034/02/	0.0000000	4 574 5007
Phase-1 RCT-145	0.8587824	1.0206181	0.8903667	1.0089774	1.1665773	12836294	7.23/32	1.0602604	1.333531	120002121	1.072/320	4 0000000	1 0957554	0 9044557
Axin	0.8537028	1.0263991	0.94188154	0.8332338	0.71713537	0.9170101	1.018455	3.86U61415	0.8253155	9700750	4 0004778	1,0322402	0.0058145	4 1203095
Phase-1 RCT-89	0.8936282	1.0135607	0.90036166	0.75378555	0.6964878	0.74311954	1.1200444	0.5003.04	4 20000170	0.0040330	4 0001010	4 052006	4 1055077	1 2515774
Sarcoplasmic reticulum calcium ATPase	1.0207125	0.9893088	1.166248	1.009637	0.9408268	0.7624447	0.83291453	7.2432616	1.22024/8	4 03333100	4 0700100	4 0388440	4 4 30042	16050067
Alpha-2-macroglobulin, sequence 2	0.71256876	0.6843499	0.7752912	0.95/00014	0.90991616	0.887938	1 00000	007057	1.1323073	0 04050	20100101	0 82818835	0.0008493	0 9456191
Phase-1 RCT-204	1.2180467	0.8704483	1.0070261	0.9369/81	1.0616204	1.0114505	1,000424	4 07504	0.54505714	0 04064705	O ROAABSS	0 9408876	0 77754475	1 0567154
Vascular endothelial growth factor	1.0237138	0.9620367	L/SSOGG/L	1,707,7020	1.138/340	2000	1000000							
NADP-dependent (socitrate denydrogenase, cytosolic	0.61160827	0.60677063	0.63406086	0.51020834	0.6779712	0.8631481	0.6888476	0.8170621	0.553668	0.684319	684319 0.76261413 0.63969064	0.63969064	0.6665036	0.4897769
INA Moding newholin ferhibitor (D2	1.0917314	0.78104377		0.8599787	0.8876564	1.0010028	0.873099	1,2635958	1.0574596	1.0314559	0.81481135	1.1380373	1.110856	0.5836683
Clutathione S-transferase Ya	1.0630637	12677442	0.86037326	0.42229632	0.54883924	0.64131624	0.78768647	0.7442984	0.707759	1.0359303	0.69416606	0.55867475	0.7298431	0.6/12/15
Ecodde hydrolase	1.1236644	1.1701748	1.0614656	0.5483233	1.1430134	1.119891	0.7477368	1.2013011	1.2755243	g	1.1103778	1.189703	1.4720399	0.95053047
Insulta-like growth factor 1	0.7911937	0.91334677	0.85768104	0.78234917	0.7874878	0.8653988	0.71923538	0.826845	0.6687334	M 0.74957037	0.7089221	0.7914183	0.6982882	0.5882362
Prostaglandin H synthase	1.3448416	1.2686145	1.0562894	ğ	1.3897829	0.6032767	0.5933116	1.0216533	1.0780933	0.7896358	0.0030429	0.79027444	0.017.001	0.000000
Phase-1 RCT-136	0.80456215	0.73692644	0.9672375	Ş.	0.81686343	0.9150/046	0.3502017	0.9/099930	0.7503172	785024BA	0 734381	0 70374453	0.74548774	0 7544635
Phase-1 RCT-137	0.54522353	0.5695292	0.57830306	0.5641276	276 0.59064874	0.35/50326	Q 4	OCCUPANTO O	0.000000	0.70032404	0 9221053	O R985788	0 9430762	0.858632
Phase-1 RCT-138	0.91683745	0.7680086	0.93726915	١١٥	416	0.924 10014	214 0 68706873	0 0570764	0.6601276	0.6758909	1.1375344	1.3218259	1 2969108	0.61825347
Hepatic lipase	0.7226321	0.8/148226	0.03679	0.000017	ناد	212	nα	8258	0 7786245	21553	0.81425446 0.7	0.70147234	0.7383644	0.7605725
Prase-1 RCT-184	0.868/830	4 0128014	0.9/0/655	0.7863136	0.9485021	0 99871787	1 0020124	1.0176407	1.0052828	326525	0.96448463	0.9685949	1,0028853	1.0219404
Control of the contro	0.0000	1 1144055	0 87705356	0.86162937	0 8472047	0.64172554	0.8509799	0,8984789	0.62623787	76119	-	0.9092267	1.0297107	0.9703281
Containing of cally against a submit	0.975437	1.03115	1.1734799	1.0060152	112783	346199	0.95172554	1.210352	1.0179536	0.9463313	1,1038232	1.2494785	1.2641884	0.9245533
Phase-1 RCT-166	0.7052546	0.8278473	0.70582587	0.B17373	0.8923253	0.73383135	0.82088894	0.92746013	0.6245337	0.9820211	0.96972543	0.7849251	0.7644701	0.9823862
Apolipoprotein E	1,431219	1.4788877	2.5342777	1.3716111	0.73204553	0.9622415	1.0210444	12808447	0.9772041	0.87947536	0.81724465	0.7652184	0.8045239	0.8635825
UDP-olucinonosyltransferase	0.87581426	1,0591111	1,3681643	1,1913161	0.80794626	0.7326869	0.8584976	0.5800104	0.64201546	0.77619594	1.0448328	0.76992563	0.65270300	0.0900133
Glulathione S-transferase P1	1.0731521	1.0253077	0.95894694	0.9589598	0.8185258	0.75174326	0.8769076	0.774891	0.639871	0.7919313	0.97847605	4 0000057	4.0004837	0.726693 0.8550948
Disultide Isomerase related protein (ERp72)	0.92760223	1,1561148	0.9651211	0.85722864	1.8282162	2.246322	1.3751864	1275/998	1,3601328	1.0042830	#1121CIED	0.0554059531	0 90696764	0 8971372
Ribosomal profein L13	0.63407185	0.8077248	0.67565304	0.6680525	1,0064841	4 502784	4 842/0424	2 4 4 9 5 9 7 5	1 6048867	1 8051534	0.3333312	0.86394686	0.84240085	0.7508687
Ceruloplasmin	0.43868986	1 2000153	1,20024	4 20122130	1.0304041	1,302/01	1 6675655	1 8245592	1.760974	1.8629397	0.8974731	1.0795137	1.0332974	0.8406971
Inter-alpha-inhibitor F4 heavy chain (Illh4)	1+7CSCS*()	ערוסטטיין	1.2002	1-20002	1 WEDDOWN	1,0000	1							

													0 10000000	2000000
Phase-1 RCT-3	1,1269445	0,93721277 0	80633926 0	0.84813213 0	99881023 0	.94473773	0.8714945	0.9393978	0.9805091	0.8707758	3.88228816	0.8997264	0.8138328	1 3738077
Feluin beta (Felub)	.87727195	0.8579234	0.8023675	1.0120362	0.7677092	1.0637587	1.1084127	1.5382922	75020844	0 8477777	1 MSR8447	0 9785899	0,97794425	0.9261465
3-hydroxyisobutyrate dehydrogenase	0.7669843	3.88236797	.86000186	0.7824544	0.7752892	0.7430237	00000000	0077700	0 5777044	1 1580017	0.6758112	0.7105805	0.8063179	1.1525393
Carbonic anhydrase III, sequence 2	.54763293	0.6726895 0	.45829746	0.4318736	0.6852242	0.938348	0.3213003	0.217.133	0.00770	0 7707514	0.885503	0 7978111	0.7972381	0.7693704
Phase-1 PCT-10	.61126095	3.79577166	0.7882707	0.73209924	.685/5305	0.803529	0.7074907	4 5300465	4 00000	4 278857R	4 0073719	0.9787239	0.8776547	1.1595947
Alpha-2-microglobulin	0.6685489	3.90618294	0.6703239	CS/1009CT	1.21842 0	2500000	0.54502045	0.0746446	77524644	0 7810824	0.7711354	0.7109355	0.79242915	.94519845
Dynarrin-1 (D100)	0.7666019	0.9318367	0.9680945	0.86267436	0.5/32/63	00016703	0 8851891 0	97399207	0.916381	0.78409	1.0344474	1.0992584	1.1885481	.95670444
Lysyl coddase	0.9901396	0.17202004	0.9109303	4 4006 400	0 5825452 0	70806036	1 1170064	1 0283389	0.7951499	78065366	0.9738188	1.1071832	1.1338098	0.9471648
Phase-1 RCT-252	1,6521/525	0.9007.320	700000	1 0878001	1.11493	1.0222937	1.1263033	0.9688856	1,0642736	1.0992398	0.8891844	1.0536317	1.0331987	92577446
Phase-1 RCI-29	000000	0.5452341	0 978751	0.8308942	1.0702822	1.0577874	1.0496397	1.6268088	13720005	1,3493462	0.790784	0.8425938	0.8797018	.84934534
Phase-1 RCT-278	0.000223	950000	96304796	1.0104884	1.0419332	1.0288806 0	99388623	0.9873491	1,0095612	1.1145148	1.0309607	0.955806	0.9462965	12202501
Phase-1 PCI-42	0 8602505	0 85014134	96808875	1.0722079	3.82891476	1.1242917	1.1241485 0	99878484	1.1158943	0.9562247	1.2394731	1.1787682	12/9852/	728337
Phase-I RCI-25	0.000200	4 464068E	1 254BR67	0 9133727	1 2400465	1.4892077	1.9636304	0.9875851	1.1169775	1,5170509	1.1652948	1273197	1.3762709	1,0403166
Cytochrome P450 2C11	0.2042020	0 87420005	0 8997985	D 86179054	0.9371442	0.978985 0	0,92776585	0.9870032	0.8050869	1.1883444	0.930818	0.79345554	0.8639567	0.9315524
Phase-1 RCT-202	0.7001324	0.0074	0.6575043	0.654261	72837675	92104465 0	97864187	1.1069914	0,8314949	9 0.95158315	1.0008346	1.0326318	0.9547438	0.9491426
Complement factor I (CHI)	02/0040	4 4503430	4 2473884	4 0600454	1 0504204	0.8805561	0.8833866	0.9836865	1,0815179	0.8121728	1.0752847	1,3066941	1.4247342	1 9005954
Proliferating cell nuclear antigen gene	1.0/6//8/	1,1303430	1 4586717	1 0788481	97514606	1.0197465	1.2017199	0.9811202	0.9654024	0.92667586	0.9532972	1 2260133	1.133328	1.0412967
Activating transcription tactor 3	2127274	0 9475799	0.88319564	0.9239895	1.0660291	1.2521734	1.1561521	0.9804457	1.0626135	1.0201217	0.85392916	0.9412446	0.84094995	BZBZ0153
Foca agnesion kniase (pp. correct)	00100304	0.8534488	0.76878184	0.8071061	0.76520336	0.9160388	0.9958451	0.9622987	0.8333645	0.89653456	0.8108919	0.7268951	0.71124995	0.9440518
Phase-1 RCT-289	1 130521	0 8419919	1 0300833	0.94072456	1,1278849	1.0492204	1.0110142	0.8940163	0.9025502	0.9965921	1.0654901	1,0896459	1.057033	0.9640254
Friase-1 RCI-209	6482076E	0 91664416	0 82424325	0.69622153	0.8982735	0.9378396	0.7964942	0.9259862	0.82995206	0.7736068	1.2816826	1,5969173	1.4640955	1.1/25314
Array Array General Attachada	1 8783357	1 6321218	1,8973975	2.0893815	1.0904845	3,84492105	0.8958194	0.9825864	0.9571455	0.96223823	0.93298656	1.115608	1.1/681	4000000
MHC Class I amigen KU A I(I) aipite citain	A525724	0 9437965	0.7114396	0.79905057	0,6569082	1.1532148	1,5598184	1.7056767	1,4338405	1.4546548	1,2998475	1.432191	1,5431111	1.4262338
AVA SUITOURISHERS	A 8057998	0 9535833	0.86476064	0.91854805	1.0028024	0.9293028	3.84345824	3.93147177	0.88249147	0.96458846	0.898936	0.86032027	0.88602436	100000
Frase-1 RCI-1/	1 0468054	O RREGARSE		0.7926503	0.9379066	0.714566	1.69373024	0.714161	0.5935887	0.73251253	0.72266716	0.70363766	0.6138311	, (USG2533
Phase-1 RCI-83	1.0400004	0.0000000	0 87414785	0.83517785	0.510878	147373962	0,6536524	3,5837,1586	0.41344017	0.48704287	1.3789811	1.1926533	1.226688	1,81925/
Phase-1 RCT-270	0.0132003	77460046	0 02203406	0 0024745	0 945537	1.1921715	1.1981754	1.1260765	1.1516595	1.2415986	1.0571644	1.0508938	1.1096685	1.1204405
Colony-stimulating factor-1	0.743342	0.77757956	A BOSOBA	0.77715R74	0 98054796	1 0042868	0,9181479	1,0024432	1.0704571	92609660	1.0354743	1.2151569	1.1604946	1,065367
N-cadherin	0.8559163	1,9332030	4 0000004	000000000000000000000000000000000000000	0.000000	0.8814468	0.8885631	3 98790216	0.94368345	0.9129831	0.78576106	0.8454875	0.8126563	0.73826148
Phase-1 RCT-62	0.7508113	1.0654035	1.02220.1	0.50001034	4 0464867	4 4486367	7 99323434	0 9986818	1.0598224	1,0131654	0.9702902	0.9490979	1.0083088	1.1692452
Phase-1 RCT-22	0.9873937	U.SBUMBS	1.143/333	0.3300314	4 0724502	4 15367B1	1 0453157	0.8983433	1.0104859	1,0481462	1.0248334	0.9232575	0.92621607	0.9349489
AT-3	1.039477	0.9394153	0.6521118	7500570	1,0731992	1.1330201	17071	0.8774130	0 95661974	0.85120213	0.9715411	0.91658133	0.8352406	0.83151233
Phase-1 RCT-18	1.0864013	0.90228915	0.82/33834	0.87 7.9543	1000000	0.00777000	04507305	0 0454186	0 94041646	0 9357019	0.8762747	0.89330846	0.9628746	0.9966711
Phase-1 RCT-123	1.1499667	0.9223173	0.8331618	0.8485045	1.0332271	1 000373	4 4778AB7	0 9196417	0.82887036	1.0694045	1,1199305	1.0320127	0.9597938	0.81578135
Phase-1 RCT-66	0.97768694	0.682/4814	0.707297	0.47011020	1.0104026	200001								
Equibrative nitroberzythiomosine-sensitive		00025000	0 5042403	O EESCOEE	0.0708547B	0 6561232	0.7998962	0.8567211	0,6991793	0.79959244	0.720355	0.6895873	0.61629355	0.66085994
nucleoside transporter	0.6951972	0.521/529	0.0913403	0.0000000	0.51500410	0.6501042	ARROGALE	14	0.70086914	0.713782	1.0986309	12655461	1.5068078	1,4106957
Glucose transporter 2	0.755858	0.76/08/04	1,022,350	0.970 10000	1 100077	0.0346767	4 0375237	1 0967498	1 0852782	1.0986918	1,493003	1,5017197	1.4954288	1.7082406
Multidrug resistant protein-2	1.0268230	1.710/200	1.480930	1 49401	1 3891006	9668926	1 0457737	1.0503116	1.0937849	1.0588684	2.042959	2.4574535	2.7367356	1,7822895
Multidrug resistant protein-1	1.049/115	1.9/04431	1203037	4 0000766	A 75044766	0 8465339	O RODGE 1RE	0 9900203	0.88271683	0.8449206	0.95687634	1.0148281	1.0191485	1,066664
Phosphatidylethanolamine-binding protein	1.0515004	0.9133307	4 0037026	1 2411238	0 99046993	1 496633	1.392608	1.2466948	1.2840116	1.3285946	0.9740782	0.9281484	0.9371472	1.2119325
Phase-1 RCI-160	4 2508807	1 0802432	1 1038629	1 1314088	1.1953808	1,0406123	1.0321196	1.1962961	1.118495	1.1070118	1,2519696	1,400159	1,3547766	1.0783544
Integrin beta-4	2 2505454	2 0800073	2 4142966	3 4369538	1.3598765	0.957632	1.0809518	1.0333474	0.9055104	1.053131	2.7350395	2,435693	4.1063333	2.0946612
MALPH CYTOCHIOTIE PHON CARON BULLIANCE	1 3282045	1 1942604	1.3877828	1.1939983	0.95951295	0.9102883	0.8697189	-	1.1004626	0.9634813	1,330476	1,2343745	1,85/3936	1.30/0191
Endonmore retroviral sequence 5 and 3 LTR	1.3086425	1,0468506	0.98069656	0.5727969	0.9650113	0.93731505	1.1222018	0.8352252	0.7546667	0.7725306	0.0000000000000000000000000000000000000	0.9141151	0.007070	0.4307000
Phase-1 RCT-53	0.93573016	0.97277814	1.0645174	1.0461947	1.0601434	1.1096478	1.1335049	0.9974013	0.99146265	1.004040	0.3004031	0.077653103	0.7450357	0 9888481
Phase-1 RCT-54	0.85835704	0.7738498	0.8317984	0.9342619	0,93276	1.0534/8/	1.0180031	0.950027746	0.9203057	1 076787	4 05952R4	1 0744159	1.1186414	1.1234493
Phase-1 RCT-240	1,2004557	1.2846597	1.4810971	1.3900937	1.0605658	1.1692166	1210495	4 4 400064	4 0474768	1 007419	0 96899454	08115721	0.76676476	1.1353803
Osteopontin	0.6571592	0.5288485	0.67820346	0.71273637	0.692/723	0.85405	7000000	4 0007500	SOUP IN O	1 0003775	1 0481278	1,173,1853	1,4849713	1,1303376
Organic anion transporting polypeptide 1	1.025374	1.5068663	12559086	1.225173	1.0355627	0.76201063	0.0032007	4 4272550	1 6364007	1 5106068	1 0686159	1.030017	1.0868673	1.1515287
Phase-1 RCT-241	1.0143725	0.81884503	1.0699689	1.1528981	1.3506491	7.303211	4 7230769	4 4500302	4 2263R34	1.3862181	0.78486526	0.9277719	0.9438515	0.7705697
Tissue factor pathway inhibitor	1,2395673	0.99396944	1.4484469	1,06/9413	1 Decodes	1.3103073	2333100	1.100000	1					
Cyclin-dependent kinase 4 Inhibitor P27kip1 (alternate	4 40000000	4 7290060	87273676	4 BEADEZR	1 230767	2,13001	1.6149721	0.94540286	1.0101074	1.0946814	1.0480046	1,1191665	1,2281675	1.1208714
clone)	4 7067263	4 0725322	1 2940311	1 0765895	0.93392134	0,76310754	0.85983856	0.8463501	0.79636306	0.7318473	1.2933544	1,3005931	12691674	1.2238369
Phospholipase D	D 87131363	1 5665017	1.1091454	1,1291393	1,3801934	12702024	1.2853886	1.1447254	1.3383784	1.1923196	1.0417286	12699255	1.3868349	12000121
Phase-1 Act-38	4 0070186	O GARRORY	1 0686889	1 0101469	0.9500918	1.1322225	1.0734761	1.1048907	1.165158	1.0756537	0.88240787	0.83133686	0.69161435	1.238382
Phase-1 RC1-238	1 164436R	1 3232758	1 3225673	1.6508807	1.1440202	1.245062	1,2882409	1.1577454	1,3354007	1.2520984	1.1050476	1.093916	1.0673134	13823506
Prinse-I Ruinia	0.5889579	0.57281685	0.78398633	0.70429355	0.7661054	0.86754954	0.8279734	1 2393295	0.94347477	0.94255054	1.1545861	12766339	1,522,05/2	1,0504567
Alaka 4 and absorption	0.82560056	0.9518983	1,2047158	1.9098651	1,5526879	5,653538	6.3450637	7.990107	7,2964435	6.336434	2,5575178	2.7332387	1,0036201	4.3004307
March and by Special But heta-chain	2,1263456	1,5121081	1.426763	0.9165113	0.8891725	0.8895427	0.7447278	0.8935887	0.83113074	0.45235166	1,0/1986/	1,0000433	1,000024	0,000
WITO CEES II GUINGELL IN THE CEES CHANGE														

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wo	0.37	095624

	Lagoration of Constitution of	1000000	0.70549496	0.0570040	4 4740000	4 6459758	1 475745B	14128559	1 5304619	1 5304619 1 7341665	13451166	13317274	1 2831573	13244962
Organic cation transporter 3	0.720233	1.02423.04			2000000	1.	0.00040	0.03500		D 731 A47R4	4 0378810	0 0000761 1 CTC1501 1 10073610 1 17073651 1 1931070 1 10973909	4 1931272	1 0973909
Hypoxia-inducible factor 1 alpha	1.2201945	1.1500506		1.0548638	0.9428139 0.7/340173	_	2000120	0.023303			0.00.00	200000000000000000000000000000000000000	2120000	
Phase-1 RCT-43	1.0882168	1.2058889	1.3887359	1.2226654 0.97586286	0.97586286		1.1222893	1.0446097	1.0199089	1.041515	0.86000437	1.041515 0.86000437 0.79030955		9232/834
Phase 1 RCT 45	0.8314821	0.968342	0.968342 0.8117541 0.85360204		1.0362861	1.0250335	1,0343918	1.0398972	1,0467553	0.9934937	0.93098843	0.9934937 0.93098843 0.85581048	0,8218943 0,85479508	95479508
Malata dehurtonensea culosofic	0 7390497	73380303	0.7390497 0.73380303 0.88539267 0.92589056 0.69550973	0.92589056	0.69550973	1.1800987	1.1165487	1,2307961	1.2137557	0.9853777	1.1612656	1.042438	1.2251729	1,322,7389
M 30 alamont	1 135816	0 94551504	1.135816 0.94551504 0.873499 0.53196543 1.3953341	0.53196543	1,3953341	1,592947	1,6238729 1,0034186	1.0034186	1.0009215	1.2074711	0.7172008	0.7172008 0.72859156 0.66189635	0.66189635	0.3948811
Dhoen 1 DCT 180	0 5792539	0.7636548	0.5251101	0.5251101 0.48207888 0.81872135	0.81872135	0.9022102	0.8803329	0.8803329 0.94767976	0.71640134 0.94945824	0.94945824	0.8415982	0.8292281	0.803486	0.897635
Alabo formedala	0 8897649	0.8556266		1.0167274 0.83752066 1.0067294 1.249871 1.201876 1.0312313	1.0067294	1249871	1.201876	1.0312313	1.0504045	1.2698449	1,2253193	1.0714608	1.1662285	1,4159833
Colomoratio D		50407535		0.3761418 0.5344889 0.8078522 0.77390895 0.84524318 0.93071175 0.58628845	0.8078522	0.77390695	3.84524316	0,93071175	0.58628845	0.989027	0.89523506	0.989027 0.89523506 0.85909504 0.82887626		-
Teers deminore activator	0 9884152	0.86823666	1-	0.7728518	1.0883977	1,0883977 0,96677744 0,8768021 0,8657725 0,8724279 0,8990786 1,0513722	0.8768021	0.8857725	0.8724279	0.8990786	1.0513722	0.928124		0.92406726
Prace-1 RCT-195	0,97264063	1.0924007	1,5132593	1.0181592	1	0.98179	0.9685146	0.88744307	0.88470817	0.98179 0.9685146 0.88744307 0.88470817 0.84985507 0.9131297	0.9131297	1.0659952	1.0598409	1.0381951
I lyer fathy acid binding protein	0.65994936	0.9242477	0.5606498	0.8045448	1.062532	1.3008182	0.687888	1.2702985	0.9529499	1.2702985 0.9529499 1.062157 0.7821718	0.7821718	0.7778065 0.7902153 0.5243408	0.7902153	52434087
Arrha-1 microclobulin/bikunin precursor (Ambo)	0.63967645	0.6405042	0.6405042 0.60775137	0.646898	0.855077	1,0264595	0.9410932	1.1306925	0.7748034	1.1306925 0.7748034 0.9911368	0.955713	٦	0.8694287 0.9450997 0.84748936	.84748936
Physe-1 RCT-294	1.3707818	1.0055394	12351284	1,0591563	1.0209037	0.8514874	0.8664679		0.9162892	906008	0.800908 1.0559143	- 1	1.072734 1.0960242 0.88294985	3.88294985
Phase-1 RCT-151	0.82568914	0.7217145	0.8855248	0.8855248 0.96886346	1.1531224	1.3932132	1.1945359		1,1803001	1,260434		1.1958337	1.1958337 1.1962587 0.94855344	94855344
Phase-1 PCT-158	128708	1.1649655	1.1221832	0.9873655	1.1052862	1.0692736	0.9579394	0.9354214	1.0323272 0.93170977	0.93170977	1.1627743	1.0703484	1.1401699	1.2076435
Phase 1 PCT-221	1.0788829		1	1.28848 1.2511262 1.0997255	1,0997255	1.3296378	1.3027854	1.0526004	1.0601437	1.1534904	1.1095942	1.0538336	1.0784458	1.0041517
Dhose 1 DCT 235	0.8500405		0.9	0.96058965	1.0653893		1.1978011	1.10073	1.1555538	1.1292555	1.2738113	1.307624	1.3976831	1,046817
Octobro bales bales de 3	1 1280838	1 4711461	1 4711441 1 2041142 1 2840279 0 998952 0 7287603 0 8861167	1 2840279	0.998952	0.7287603	0.8861167	1.0645063	0.9221038	1.0440083	1.2247422	1,2392857	1.5614907	1.1394211
Organic annon Banaportica o	4 55R2157	2 2537587	1 729(7)92	1 8657224	1 REST7274 D R3760405 D 95339704 D 9889938 1.0782433 D.85958344	0.95339704	0.9889938	1.0782433	0.85958344	1.1006273	1.129776	1.0463583 0.94348747	0.94348747	0.9681403
Wattix Intelligence and a second of the seco		0 55475134	0 5062885		0.600117 0.76719314 0.88749766 0.8635039 0.91365833 0.7642192 0.9082496 0.6220278 0.47835314	0.88749766	0.8635039	0,91365833	0.7642192	0.9062496	0.6220278		0.5400657	0.44662967
CHIRAL PROCESS & PROCESSOR		0.7554108	-	0.9046709	1 024717	1 0452812	1 0314667	0.9693106	0.9231517	0.96034765	0.99942636	0.9693106 0.9231517 0.96034765 0.99942636 0.96535504 0.8363291	0.8363291	1.0638953
F1359-1 KC 1-212	200000	200		2000										
(1) Gene expression data for 6 hour timepoint are														
presented as mean ratio of treatment/control for all 6														
(2) Compound and dose abbreviations as in Table 1.									-					
											Ì		Ì	
(3) Individual animal number														
(4) Liver inflammation dassification for compound-														•
both, negosis with inflammation observed; no, no														
histopathology observed													1	
(5) Predictive gene (as in Table 18 and as included in														
(30kg 20)														

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Table 28. Expression Data for 6 Hour Timepoint (1)									П		П	П	П	
Compand Dose (2)						₽		DIF 100	DOX 12 C	DOX 12	ERY 40 E	ERY 40 E	ERY 40 E	254 160 354
Arimal Number (3)	1352	1353	241	242	243	251	252	_	_	_	ţ		2	
Liver Toxicity Inflammation Classification (4)	٤	5	2	0	00									
Gene Name (5)	0 0751407	1 2047624	0 74007744	0 6369238	0.59298015	0.860744 0	0.60783064	9666999	1.3891479	1,6560104	1.715455	1.4125255	1,3097118	1.5472344
insuln-tike grown racior binding process	1.3884002	+	1.3836128	_	1.2758768	1.2714417	0.8517901	78352886	1,7136365	3,6575553	0.89291495	1.0131509	0.94717526	1
Supplemental Control	1.7051003	1.7871655	1.5070794	1.5667894	1.6549897	<u></u>	1.0942013	1.1384916	0.9614552	1,0426886	1 16855214	0 74177773	0.7264553	1 0376207
NIPK	0.8852137	0.56229883	1.0083054	0.9015347	0.769694 (4 2622260	4 074528	1 1746988	1 4019945	13687974	1.3885401	1.1774081	1,2847914	1,6894935
Cathepsin L, sequence 2	1.0639824	1.0744483	1.3068584	1.092/022	1,5382,35	9657707	1 4612912	1.8260581	1.0823766	1,1615105	1.1491435	1.98292	1.3373728	1.1470807
Heme oxygenase	0.85205585	1.0834725	0 64364233	0.6781973	0.5786843	88	0.67406946	0.7539058	1.3549582	1,8561252	1.1762372	0.874524	0.8593291	1.3883901
Phase-1 RCT-109	1 140800	1 1407714	0 73543173	0.7510429		282	0.8684367	0.8109316	1.3203701	1.2373238	0.8659527	_	1.1435713	1.0054836
Phase-1 RCT-111	1 2703374	1 0466518	1 5252271	1.461911	1.569452	1.6442823	1,3705016	1.3584251	1.2153777	1.6860768	1.7688313	0.55248886	0.45144664	1.193287
Argininosuccinate tyase	1 0832096	1.1208141	0.95668884	0.88845676	0.75327665	0.67337483	0.7783641	0.8541853	0.9951071	0.8912024	1.598752	1.0720682	1297782	1,3211648
DivA paymetase bear	1,1501688	1,1436805	0.78460693	0.79097015	0.87650377	.94870498	0.90659483	0.8385568	1.2835782	12327763	0.86970615	0.9960208	1.216929	1071150.1
Ribosomal mortein S9	12275797	1.3849212	1.526465	1.1971703	1.1685996	1.1677791 (.91425663	1.0385625	1.2666805	1.127801	1.2065347	13/61898	2813042	70964494
Phase-1 RCT-114	1.5968797	1.6355588	1.1190932	1.1753232	1.0614103	0.9967282	1.0585183	1.0387293	0.9/6/835	1.4060927	0.7300004	1 20007A	0 70774234	0.9125265
Phase-1 RCT-15	1,3337117	1.019709	1.7794156	1,8029552	1.7932677	6.787893	2.688216/	4 0376683	1 6721519	4 3107173	1 1607493	1.5312365	0.76685363	1,0086368
Macrophage inflammatory protein-2 alpha	1.3485932	1.3360571	1.0865799	1200/248	1.39//200	0.8010343	0,019/035	2000	1,004,010	221				
NGF-inducible anti-proliferative putative secreted	100075454	0.8710331	ACREACTE O	0 80394214	96828280	0,63648784	0.8026792	0.93658197	0.7053912	0.6960234	2.0236828	0.97907406	0.9521855	1.4856517
protein (PC3)	4 4554430	1 2804124	1 137793	1 62787.44		╄-		1.0162352	0.797795	1,003851	0.33611062	0.3884992	0,5441433	0.4795416
Phase-1 RCI-191	1 102/801	1 4951497	1 933316	1,5166186	1,5415518	2.4057472	2.0770123	2.B493297	0.90285915	0.97119766	0.8177567	1.2640256	0.926981).89567874
Phase-1 KCI -63	0 77841616	1 1206009	1.3181996	0.859865	0.87417597	0.54273045	3,81973904	1.2818285	1.2848324	1.1724858	1.1828972	0.76963973		1.118636
Cyain US	1 0483928	1.0696491	0.84762245	0.80064225	0.87849253	0.9480463	1.0036097	0.9531414	1.289079	1.2053859	0.7042909	0.9998897	1246/445	0.9666673
Decor 1 DCT 56	0.5902886	0.45170256	0.7130693	0.7838104	0.84064794	0.15034862	0.75720954	1.0257109	1.2177193	1.1873098	1.3660388	1.1156834	12034421	0.001702174
Dheer Critical	1.0673394	1.0131379	1,0119913	0.98459655	0.9761486	1.192137	1.1657301	1.0720906	1.1075536	0.9719218	1.0356666	0.8284356	1.1330484 0.505	1308/00(r
Phase-1 RCI-75	1.023999	0.9693367	1.1268014	1.116383	1.0740708	1.5082092	1.0836552	1.0420028	0.91842276	0.9153594	4 200073	4 5450044	4 2286762	1 4783483
Acety-CoA carboxylase	1.0878452	1.1677774	1.041591	0.96997947	1.0282824		1.1059489	1.0519629	4 3405030	4 2222206	0 04061443	0 9389838	1 2611047	0.82489353
Phase-1 RCT-95	1.1021587	1.1064512	0.8054925	0.8330261	5000	0.98047890	4 007061904	1 0046452	1 0382415	0 9358594	1.4878733	1.1437893	1,5468837	1.2877858
Cystatin C	0.94155806	0.9801474	0.82137436	0.90/956/5	0.3/3224/	122227	1.00/0012	1 036461	1.0461	1.4049759	1,1648395	1.1186069	12124461	1.2197388
Phase-1 RCT-49	1.0640091	4 4 8000777	0.897.5433	4 0212879	1 RICERRE	1 043944	0.85943216	0.9231741	0.7812775	1.1341207	1.7777711	1.1104484	0.8955604	1.0064375
Phase-1 RCT-9	1 7448965	1 8659012	1 4027362	1.1639798	1.1474477	0.99522924	0.92143065	1,3279679	1.2906667	1,6169124	1.0843519	0.83902305	0.64498407	0.75261986
Obsert Oct 458	1,0741981	1.071751	0.8206444	0.8730707	0.904957	1,0319602	1.0026561	0.97609544	1.3324766	12142586	0.9257932	0.894354	1,252/31	4 4705443
Coffin	0.91550475	0.880203	1.1048892	1.2415817	1.4144032	1.6365496	1,5273024	1.3919214	1.187592	1.2097648	1 423/448	1.0064193	1 5873238	0 87696195
Phase-1 RCT-127	0.8838567	0.8191499	1.0961393	0.93093455	0.92567456	0.7498946	1.0683235	4 0043038	4 4520001	1302664	0.86962507	1.0516834	0.97357243	0.81897163
Macrophage Inflammatory protein-1 alpha	1.1670322	1,2244252	1.3512604	1,7061234	1,35/6/4/	1.1000/14	1,1132303	1 0399895	1 0186923	0.97240686	0.8401826	1,3894747	0,92819256	0.94925535
Zinc finger protein	0.9140933	0.78351563	1.01/046	1.0659337	1 2475387	1 691877	1.1438085	1.1849988	0.89056945	0.8452399	1,0194948	0.83622897	0.84815127	1.1042784
Phase-1 RCI-73	4 0426544	1 431033	0 91386163	0.9992308	1.0846193	1.0654869	0.997672	1.084321	1.1978416	1.007456	0.8988083	1,5645282	1.6637605	1.4361356
Gluzarine synneigse	0.5647027	0.6716258	12150382	1,1215144	12606493	1.0761752	1.1600064	1,0131764	0.9642112	1.0091234	1,5504801	1.2537663	1.3449256	1.3280367
Phase-1 RCT-242	1,4221622	1.2410867	0.98356205	1.1220657	1.0486945	1.1194212	1.0453906	1.0680346	1.4287058	2.512171	0.7075283	1.05469/3	0.28813003	0.709029004
Phase-1 RCT-50	1.3079531	1.1411738	1.3499454	1.3055284	1.1657332	1.2993397	1.1766099	1.1698377	1 1551472	4 0120B01	1 2281874	0.9384159	1.1250173	1.3803848
Bongation factor-1 alpha	1,069449	1.1323607	1.1356872	1,1188382	0 8055040	1.3301134 4 9058773	1 0266104	0.8826984	1 1283333	1.3467253	0.86863196	0.91538	0.9280598	0.94618374
Integrin beta1	1.250.35.36	1.01717074	4 7038200	2 332741	7.3021407	1 6690369	1.3385427	1.1932249	0.8580827	0.789089	0.7932818	0.7491916	0.69563055	0.7704544
Insulta-like growth factor binding protein 5	1 2078886	1 2177812	0.96898407	1 0140747	1,0173962	1.2028736	0.97256905	-	3,650263	4.440098	1.1509476	1.1509278	1.1361003	1.2230527
Phase-1 KC1-59	1 248357	24123406	0.7140174	0.7465456	0.81730556	0.7839297	0.8313107	0.7821939	1,3349786	1,4169556	0.76349103	1.1954038	1.6689951	0.8782405
Fortis H. Chain	0.9933892	1.0861922	0.7006284	0.7452266	0.76406014	1.0190778	0.70266396	0,7172857	1.171653	1.0739478	0.79095435	0.5798258	0.79784745	1 5214015
Selencontein P	0.60416037	0.62635696	1.09492	1.0139405	1.3519524	1,0965252	1.2581054	1.0867587	1.3547277	1 1344333	2.141493	1.1203050	4 4803709	1 0960688
PTENAMAC:	1.114991	1,0278114	0.7445474	0.68240064	0.6852396	4 9554545	4 2240727	1 2855912	1.0343263	0.6077121	12238961	0.8048398	0.9323912	0.8411842
Phase-1 RCT-214	0.604408	0.7577235	1,521052	1,438/845	1.3272330 0.8436728	0 62631947	0.8338584	0.8438211	0.92046493	0.78735983	0.8198828	12225748	0.94511753	0.82484734
Phase-1 RCT-112	1.07723	7 PARTICIPATION 1	4 2070657	4 42874	0.0430120	0 7437973	1.2124983	1.4905071	1,3209971	1.3720802	0.99652	1.0838666	1.0750396	0.72400385
Thymidylate synthase	0.7078753	4 2466704	0.46296874	0 82394564	1,1655861	1.3578712	1.0766767	1,0671115	0.99432313	1.0129347	1,6959459	4.948838	3.8422706	4.9487287
Phase-1 RC7-13	0.7463301	1.107617	1.1195881	0.72340673	0,90957	0.73809975	2.1552904	2.1655662	1.8015609	1.6744641	0.91497695	1.2669642	1.1990772	1.106503
Cholesterol 7-abha-hydroxylase (P460 VII)	0.8881278	0.8076834	1.2069831	0.7974609	0.9589351	0.6997881	0.878829	0.94378614	0.9173585	1.0213233	0.59038	2 2302657	1 6463687	0.7526797
Vestcutar monoamine transporter (VMAT)	0.712020	0.66010356	1.3494319	1.1498145	1.1858447	2.3930652	1,0446173	1.0450333	1.0253373	1.4989971	0.6620241	12354124	0.9765508	0.6733907
Phase-1 RCT-260	1.13891	1,181598	0.98131114	0.9239241	0.901/0/2	U.Societoria	0.1100000	D.1 01 Warren						

							200000	72002720	1001001	1030000	1 2220381	0.05007111	1 0514894	1 0333784
Phase-1 RCT-32	0.9701713	1.5706564	0.89251596	0.7103382	0.6/508/9	4 6880078	1.0542685	4 005004	0 9802147	1 2687734 0	88735396	1.0458976	1.0066007	0.9220877
Peroxisome assembly factor 1	1.206423	1.1//8/84	4 4470384	1.2030307	1 0008862	0.705972	87617695	1.88519436	1,1202703	0.9214398 0	72116846	1,1213989	1.3804375	0.9825917
B-coopuanine DNA giycosyase	4 045203	1 90695987	0.7907858	0.8290004	0.8425973	0.870289	1,92964274	1.89360243	0.8842444	1.122326	0.8663185	1.0540746	1.0047274	0.9024255
Triaser RO 1-62	0.752205	0.85271384	1.0580885	0.9830423	0.91059196	0.7986767	7,8556577	0.8574755	0.739548	0.7324065	1.2392672 0	77263135 0	75636286	0.9430562
Phase-1 RCT-184	0.91212665	0.9452864	0.985262	1.0562302	1.0564773	1.4435261	1.149296	1.0606707	3.87949884	0.9872141	0.8413188 0	1,99538034	0.9407821	0.8265000
Phase-1 RCT-168	0.7539933	0.7682384	0.8391526	3.90784276	0.8521743	0.90003264	1.1230217	1.1207591	1.1333709	98354665	2 4000405	10/100183	80043474	1 229218
Phase-1 RCT-119	1.0786844	0.8595675	0.68749565 (0.64850944	0.7394286	0.6154752	0.8060/38	500,100	0.68/23/8	07/10936	7571187	0 5574472 0	48965618	0.69000772
Carbonic anhydrase II	0,7393868	0.59967345	0.81396484	0.9830487	1 2720,02	2 5557704	10591683	1 0001383	0.9006427	0.8301914	1.2433642 0	74813523 0	78408355	1.0419278
Tryptophan hydroxylase	0.70863044	1 6232381	0 8810018	0.8287436	0 98716315	0.51252466	0.8398779	1,88663326	1.0353826	12753224	1.1003181	1.021799	0.8903363	1,0096934
Phase-1 RC (-/1)	1 3673564	1 2220016	0.9853198	0.8566204	0.87058914	1.0240241	0.87153757 (3,95082146	1,3581831	1,2564949	1.2024245	1,4688504	1.7654766	1.71527
Phese-1 RCT-161	0.9201918	0.9120823	1.1744668	2.0702195	1.6858728	1.2710149	0.97507364	0.9504568	0.54445106	0.63009226	0.7010142	32498237 0	29461536	0.8170055
Phase-1 RCT-207	1.8582406	1.6087422	0.9766804	0.967289	0.9630512	1.0655282	1,0652405	0.9961914	3.9457316	5.4778256	0.9336207	0 000000	19306844	4 2203677
Phase-1 RCT-144	1,4481487	1.5749441	0.95939547	0.92780805	0.8853776	1.1983722	1,0654476	1.0897225	1.1676252	1,5323609	0.9093057	1.5095847	1.8018848	1,330,357,2
Phase-1 RCT-225	1.0769101	1.4350773	0.9790221	0.9289701	0.6790544	0.7349236	0.5817377	0.6650739	0.43065053	1.46589515	36.29745	PSOCODA!	0 9000450	7440348
Cytochome P450 2E1	0,7163754	0.82694393	0.91141546	0.8971928	1.082249	1.4985788	1.208799	1.4708492	0.818828	1.6510942	1.0911818	0.6/13/246	1.0060000	0.7 140240
0-1	1.0639237	1.085857	1,2509584	1.267821	1.3549134	0.839346	0.91795033	0.87724626	1,5183649	23388557	1.0330453	1 11 10003	1,0289828	4 R7R2504
Thioredadn-1 (Trx1)	0.8518778	0.8609029	0.7468289	0.76019895	0.6709374	0.6740977	0.7479546	0.8464779	1,054,1887	1,0000174	0.4522781	38812736	33818334	0.1545165
Carbonic anhydrase III	0.5366234	0.33320174	0.5133709	1.4482896	1.4290621	4.6755233	1001100	4 4 7 50005	4 0264686	1 076251	7992659	92169005	0 8912673	0.7864853
Phase-1 RCT-140	1.194521	1.4673231	1,4869481	1.1391897	7.2018342	1.2833920 0.8202878	1,2340433	1 550008F5	1 1388158	0.9357483	1,6502264	0.8762431	1,3000246	1.3347946
Complement component C3	0.7090959	0.8659855	0.752351/6	0.54865487	POCKOOCH D	4 4000520	0.7554111	166356205	0 8069638	1.1995432	0.7182848	1322231	1521782	0.5134712
Glucokinase	0.86712825	0.83209056	1979119	1.3903042	1.1700327	1 000048	1 1186037	0 93350893	0 69482946	0.70002127	0.72300094	0.85276194 (0.77829283	0.5930725
Phase-1 RCT-173	1,25135/6	4 475470	1 2503783	1 6987426	1 7 166845	1 3963338	1.3932644	1.2037604	1.0407898	1,0866678	0.58669376	0,94134945	0.903576	0.6749248
3-methyladenine DNA grycosylase	1 0277601	1 1628624	19069061	1.352535	1 2344862	1.836753	1,4250157	1.4209152	1.182973	1,0134292	0.81167156	0.9037236	0.86374354	1,2291635
Perodsomal multinunctional enzyme type ii	0.7221244	0 8075842	0.98483545	0.9849935	1.1308156	1.0540394	0.999453	0.9412754	0.7516438	0.68721086	1.286754	1.0423954	1291455	1.3408848
Prisse-1 rtc 1-40	0.40139946	0.32877874	0.69286454	0.89462143	0.73067	0.99234164	0.59500365	0.54533803	0.6757381	0.5034388	1.3258038	0.99506444	1.558712	0.9061594
Selescence manya programso	1.9774908	2.1332314	56765	12970321	1.1560766	1.371335	0.87576243	0.9811706	2.8266072	4.884555	0.6756685	12878695	12771672	1.2481596
Welanoma-associated antioen ME491	0.9841162	0.95611364	0.8534896	1,290025	0.880567	1.1540784	1.1918983	1.0519959	0.9474036	1.0358588	3,82087773	1.154/494	1.2862153	1.1529/62
Phase-1 RCT-28	0.9453553	0.87900746	1.1778737	1.1125731	1.1088959	1.172108	1.2057805	1.1764016	0.9838284	0.76004133	1 1028484	0 7420299	0.8208376	1 1064181
Emerin	1.0215691	1.075294	1.0607293	1,1090199	1.0478067	1.0033412	1.13133/0	1 8224776	1 737H77	1 2335052	1 1030601	0.90568465	1,1967856	1.3789636
Alcohol dehydrogenase 1	0.3901/606	0.55005115	0.8061192	1 0397775	0.89660036	1.1964816	0.6607523	0.6011826	0.8738678	0.72114456	0.83756334	0.95026314	1,0364805	3,78212273
Stem Cell tactor	1 2565057	1.4046497	0.5304066	0.7223415	0.8241021	0.66484386	0.71668166	0.8658261	0.6575459	0.43084437	1,8031058	1.1185488	1.0898576	2.3753624
Protein tyrosine phosphalase alpha	0.8972194	0.8057845	0.8978683	0.8413319	0.7837038	0.5547287	0.713538	0.7460016	0.9733677	1.167.1144	3.91040474	1.1797063	1 0071071	0.7610054
Phase-1 RCT-65	2.097427	2.2929475	0.6253163	1.2662809	0.948884	1.1010554	0.91875905	0.7388069	1.0433824	1.0625655	1,0665/6/2	1.03/0200	1 3884057	1 5298707
Ubiquitin conjugating enzyme (RAD 6 homologue)	1.3621775	1.5021722	0.85152185	0.9730741	0.9011802	1.1470127	0.92341477	107/5/41	1.1/69400	1.0519401	1 1896564	1.353949	1 5043219	1.0511229
DNA topolsomerase I	0.73785675	0.9114692	0.918578	0.72665733	0.7973736	4 4877673	1.85684676 1.8662056	1 330703	0.8938979	0.74408384	1,5840575	1.0357163	12246869	1.476581
Phase-1 RCT-280	0.81776965	1 0054022	4 2070035	1 2878173	1 2752644	1 4448665	0.97471917	0.9883891	1,3337784	12124912	1.1260207	1.0520145	1,0608006	1,3213862
Superoxide dismutase Nan	1 2449441	1 2044665	1.2288083	2.543356	1,6929046	1.181457	1,1384543	1.1705807	0.78635776	0.90676963	0.6537312	0.2807447	0.41095746	0.5866685
Cochamy chechief switheless f	1,0809479	0.87356657	0.6668334	0.6757724	0.7731008	0.67479074	0.8577837	0.85540843	0.60717434	0.6128029	3.3178418	0.588104	0.61/5286	1,3371369
Discyclycend kinase zela	1.1097054	1.0726323	1.0549282	1.2294037	12745456	0.64878374	0.8215811	0.81473607	1.1293198	1.0545113	1.1381949	0.9038003	1,0303906	1 660303
Phase-1 RCT-141	0.91335046	1.0522574	1.2645379	0.92984784	1.2513217	1.1502929	1.1027484	1.1302577	1 333418	1.4430294	1.24.700UT	0.6422179	D F0124403	0.5690116
14-3-3 zeta	1.3499728	1.3743372	1,2008785	1.1885026	1.139614	2.060828	0 0077549	1.04/1242	0.052119	0.9472051	0.760988	0.8541316	0.81516904	1.0662421
Gamma-actin, cytoplasmic	2.4895623	2.1727564	0.7072828	1.9/1223/	7.469913	0.5801402	0.56618994	0.66666234	1,6114365	1.9697762	12263759	0.8927635	0.68102354	1.612297
Ribosorral protein L13A	1,314/091	1.5530733	0.9102911	0.7841927	0.8752826	0,8565979	0.821318	0.83272827	1.2200649	0,9002272	0.81141555	1.0224178	1.1656775	1.2119042
Disas 1 DOT BE	14315622	1.0502143	12196866	1.3931428	1.1058694	1.1793308	1.0538352	0.9831354	0.8410533	0.9375822	0.79701304	0.44462457	0.5189442	0.73535603
250	1,585089	1,4558537	1.1943449	1,2137611	1.2389246	1.1407274	1.0762353	1.0450134	1.9385508	3.534283	0.9300802	0.763423	18/186//6/	1.0092589
Protein O-mannosyltransferase 1 (Pomt1)	1.2620486	1.2628659	3,7507155	4.0536056	4.9414487	2.0524855	1.3880414	1.4981838	0.98858096	1.104312	0.6586299	0.3331.3443	0.51252365	0 5387396
HMG CoA reductase	0.96406853	1.0045577	1.3358407	1.3232995	1.082171	1.1/23812	4 482637	1 1857756	0 0119338	1 0460873	0.67720058	0.6935239	0.8117735	0.6611634
Phase-1 RCT-12	1.2427459	12502867	1.0768821	1.564028	BI LEGGY.	1.20103.0	1.102021	1.100/200	2000					
Interferon related developmental regulator IFRD1	0.8943749	0.930337	1.1698748	0.78506494	0.99247396	0.81204325	1.0738144	1.2013717	0.75715953	0.70687276	1.1253503	1.6867974	1.3359295	1.7920336
Clumparamentated modeln 78	1.100047	1.4017015	0.7080406	0.5415535	_	0.8545324	0.45468795	0.3728695	1,955688	12989768	1.7888956	1.9937497	2073283	1.8648689
3-beta-hydroxysterold dehydrogenase (HSD3B1)	0.83513176	0.90633464	1,0077075	0.6072537	1.0339527	2.0005724	1.3610573	1.3082374	1.368277	4 4455700	0.56432037	PRESCRIP	0.91002204	1 0676599
Caspase 6	1.1449169	1.2995298	1,237789	1.1723615	1.0759863	1.4007044	1.1605278	1.1267935	1.0308027	1.1455/09	0.0830123	1 3779772	1 0002408	0.858775
Phase-1 RCT-169	1.1122804	1.1024202	0.7128326	0.952569	0.89717895	0.0033313	1 057327	1 2113346	1.1531376	1,4207977	0.8521918	1,3038616	1.4111732	12599512
Phase-1 RCT-197	0.85/90/35	0.9470594	0.97.20237	1 2612526	1 0773942	12732087	1.2238476	1.2571117	1.544446	2.1935241	0.9148544	0.72709334	0.80130154	0.75145024
Phase-I RCI-34	U.804 ICAN	השסמיה	חשפשרות	1.6012020	101101	1								

				100000	*********	1000000	1700000	100000000	100005546	4 05253951	00728635	4 450724	0.995581341	0 83201931
Phase-1 RCT-72	1.1632466	1.1491065	0.9404566	1.0736408	1,0293430	1.0 104021	4 4077034	1 2022686 1	82044675	73408063	O GORARRY	0.8123157	0.6220736	O ASSESSED
Pyruvate kinase, muscle	1.1153003	1.1036066	1.1439300	1.1104301	1.1000002	1 092887	0.8602768	9750500	88989116	0 6805011	0 9467032	0.842211	0.9765942	1,4188862
Phase-1 RCT-288	0.6965404	0.65957.35	0.6677367	20000000	0.01074035	0002000	85753774	BAKAKA	O REAGNAS	0 9435547	95910275	1 1298519	0.7684607	0.662539
Phase-1 RCT-90	1.1604/88	1.0284341	0.9732630	0.9000000	4 0000378	1 3426636	1 0068405	1 7015363	1 1513156	1 0682892	44495444	1.0192144	2.0741665	2.657491
Cytochrome P450 2C39 (alternate clone 2)	0.3925543	0.5188859	1.0430/88	0.3000000	1,0939270	242002	9737677	0 6363387	37547757	F0CR005.0	4 R2R75	12375201	0.94982815	22157886
Phase-1 RCT-280	3.2454118	3,502,3922	0.5773588	2 400000	1,32333333	00000000	00951010	4 0070082	70288300	1 0630034	0.2861848	0 7335372	0.6099122	0.5346542
Phase-1 RCT-261	/605/68 O	0.9681992	202002	X۱.	2000000	4 4405040	4 9547406	4 20E0020	00122000	A 6070335	1 0774777	1 2749877	13809614	1 B438076
Methylacyl-CoA racemase alpha	0.75176628	0.80417114	0.9544214	0.8231791	791 0.78584324	1.4100312	1,3517 190	2000000	2000000	4 0439663	10210064	4 R29R012	1 441777	1 0408304
Cytochrome P450 1A2	0.9776212	1.064189	1.005421	1.0048558	1.020/624	0.0930932	4 4446449	4 4003638	Z.0702030	0 0404067	0.7764015	1 2709187	0.9571097	68019134
Phase-1 RCT-297	1.150562	1.101697	1.1530881	421009	12300028	1.092323	0.1713142	0.0000000	27000	54584795	2 2651641	1 1364806	13383876	1.8989387
Monoamine oxidase B	1.0927002	1.200428	0.660846	0.625/5565	00100	2 224 460	1000001	4 AGC2068	D 97968304	0 7294687	2 6997265	0 R3827484	0.944284	1.4969258
Phase-1 RCT-264	0.72471964	0.80/9825	0.9274344	0.000940	4 4275457	00105400	1,004,04	4 75757.8B	1 5000836	1 1964322	0.8920239	0.7371407	0.7330893 (73323315
Percetsome proliferator adivated receptor gamma	0.6536633	0.566164	13/35/20	1.090002	1.13/343/	1 3846318	1 0779752	1 0433515	0.8161484	74902084	1,0367671	1.0295376	1.1197352	1,1104655
Phase-1 RCT-143	0.85/0184	1984991	0.9420103	20071001	1.0103/01	0 00000	4 4302136	1 3601083	1 0995295	1 2247025 (67687505	0.9519821	1.8104895 (57139933
Phase-1 RCT-251	1,3092402	1.01197.03	1,3100000	1.0303030	4 4007767	A Zeneson	1 1005206	70568777	0.48531538	58286023	1,605763	1 0742021	1,1321086	1 2220073
Phase-1 RCT-117	56/8118.0	0.7829123	1.2024303	1.0409323	4 44 07 4 9 5	4 2020227	1 1000208	00013776	0 945401	49107653	10119678	0.68781686	0.59279454	0,7784258
Glutathlone S-transferase theta-1	0.83834045	1.000000	1.5/04/04	1.100001	1.110/163	12023121	2000000	0000000	4 4074448	4 220H133	O 0428257	1 0069869	1 1177996	0.9745931
Phase-1 RCT-91	1.0040501	1.10/6/83	0.8486581	1.000965	0.6516010	7,70321103	4 044 0057	4 4460000	0 637005	0 5753830	4 0755539	0 7848096	0.8557617	1.0334876
Phase-1 RCT-148	0.9476089	1.0283269	0.824/488	0.54597000	1.032014	7007070	4 0474700	4 4930306	0 9760325	0 8410405	1 63141	1 0967933	1 2810034	1.4663007
Phase-1 RCT-142	0.8442029	0.73303515	0.8662033	CC241608.0	0.63/5084	5.0000	62706646	87523764	4 0549598	1 2964507	78757447	0 939208	0 9124453	0.6746425
Activin receptor type il	1.208805	1.4169493	1,0333000	4449662	4 7705000	4 2274666	00474513	1 0076952	57364835	0 6954544	77626145	0.5417241	0.73168695	0.7273754
Glycine methyltransferase	2.29559/6	1.61/19205	0.505575	1.113003	1.0703909	4 20214003	4 0001007	4 6486822	4 3104142	1 2512434	1 1677234	1 0396958	1.1611032	1 2977872
Phase-1 RCT-281	0.76270473	0.5552142	0.80917003	0.0232771	0.0054446	0 7274113	0 854094F	0 9374931	0.9511628	0.76994056	12524908	1,4153033	1.9107412	1.1226751
Ciliary neuropophic factor	0.0040000	0.00 20003	0.0310040	0,3220410	2115	1	20000				l	Ī	-	
Gap junction membrane channel protein beta 1 (Gb1)	1 02777741	O OGONBAT	A 0074397	0 99895295	0 92440057	0 8395616	0.85846704	0.79780525	0.861724	1,0013921	1,9398057	0.45004746	0.49308154	1.1046103
	0.000040	1000001	0.05346706	0 0001604	A716278		69829154	0.8093003	1.0598435	9096096'0	0.92721075	1,0082612	1.067029	0.956967
Phase-1 KC I-96	0.0300018	70700000	0.05358046	1 2200545	1 1424453	1 2366983	1 1695523	1,1215166	0.79879284	0.7083116	1,5868874	0.96101767	1.2148949	1.7886199
Hase-1 KC 1-28/	0.001030030	0.740447	0.75510645	1 0500123	1 1844658	13898851	1 1251059	1.1667086	12095087	0.8886898	1,4848015	12295724	1.4893385	1,5850078
Kemar-anang procen (Nor)	0.0474345	0.7958023	0 8036754	0 9124303	0 9001895	0.95671946	1.0879744	1.1710634	1,5573408	1,3955518	1.1814111	1.1428262	1.7183701	1.6921209
Very long-crain acyt-cost synulleases	0.01742454	4 0275826	0 77450BB	0.75577486	0 8210832	0.81744254	0.8561358	0.7782594	0.9651443	0.85921097	1,5201632	1.0696534	1.1259688	1.1266497
Syndecare	0.9155155 0.08768735	1 2290552	2 4247	0.8481351	0.7923595	1.0663583	12940521	0.8901208	0.9910308	0.88722694	0.9133075	0.76160863	0.92232203	.85022825
Olever 4 DOT 445	1 2439121	1 2721248	1.0105327	1,1327103	1.0713922	1,520333	1.3655419	1,3136513	1,5039318	1.6452917	1.1226231	1,4996025	1,5044491	1.0027206
Action Inc. and Inc.	0.0984730	0 88497835	0.66517323	0.73068327	0.6615657	0.64247507	3.85665655	0.8203823	0.7243902	0.93580234	1.1592449	0.8097477	0.98252286	1.0769558
Oberes 1 DCT 80	0 958871	0.9912224	0.82692488	0.7369188	0.81288877	0.9008004	3,82346964	0.7502198	0.6059508	0.5819529	1,3850205	0.8485582	0.9825699	1.1074997
Samuelsonic celiculum calcium ATPasa	1.1613208	1.1398766	0.7185942	0.8378656	0.74305004	0.5695874 (3.71261007	0.65150505	0.92325145	1.0988955	1.8868299	1.8747405	1,8152213	1.1996129
Aloha-2-marmolobulin seguence 2	1.4508644	0.94587255	0.7219253	0.66963375	0.61065704	0.3906158	0.690736	0.76318306	0.7087691	0.8785034	1.4346533	0.82643944	0.8969087	1.3866827
Prese-1 RCT-204	0.9714241	0.7777904	1,0983198	1.1164016	1.0477796	0.87438464	0.78883433	0.8346456	1.0076044	10494508	1,3006037	0.9281276	1,001132	1.1640625
Vascular endothelial growth factor	0.8531602	0.7706134	0.9792123	0.62373656	0.70904976	1.4321207	1.1131294	1.0329984	1,079375	1.1568389	1.0422078	0.7154/855	1.0477505	1700004
NADP-dependent isocitrate dehydrogenase, cytosolic											,	20,000,000	2404464	4 2040222
	0.57893217	0.61725456	1.0427985	0.9471531	0.9471216	0.90018106	1,0/30528	1.1332413	0.0443303	4 24450071	1.01.09020	0.7010010	4 467 4962	4 4007523
DNA binding protein inhibitor ID2	0.7292506	0.74974734	1.1868339	1.2465177	1.1018492	1.1453905	0.949(5885)	0.0000000000000000000000000000000000000	1.2499196	1,311,3907	1,000,013	0.63219064	1 0457744	71017045
Glutathione S-transferase Ya	0.6463135	0,59641707	0.7149896	0.9278091	0.58/9122	0.35641134	0.7003647	0.40.20233	4 2675274	1 5563053	0.767323	0.9470947	1,5320638	1.4046931
Epoxide hydrolase	1.0675853	0.9832011	0.8852081	1.1031203	0.6/334320	0.91303723	7340406	0 6842882	0 85544057	0.845755	2 5913103	0.9419932	1.0361955	1.8684826
Insulin-like growth factor I	0.7564597	0.59839267	0.7308237	0.00294175	1.5407094	2 5005000	3 A887638	4 4811235	1 8082356	0 91348916	0.36668357	0.9794984	0.6647975	0,9094396
Prostaciandin H synthase	1.0333821	0.00342913	0.927,0000	1 0712142	1 1832216	0 9789064	1 2922593	1 2294945	0.91700447	0.846558	0.9126331	0.6790728	0.B1144744	0,85553026
Prase-1 RCI-136	0.67.200133	0.7305053	0.202020	0 732684	0.6529368	0.6902201	0.842267	0.9369233	0.8477353	0.8861078	2.8826382	1.0383059	1.2727008	1.544696
Phase-1 RCT-136	0.91134083	0.8768537	0.87060034	0,9938365	0.834944	0.95488894	1,0278087	0.9906744	0.7440171	0.82526964	1.1836184	0.7573184	0.9298745	0.93238705
Herafic linase	0.7512695	0.8842417	0.79535085	0.69320065	0.62458056	0.6403478	0.57865155	0,75331163	0.62277836	0.59898484	1.7024143	12514849	1,3348538	1.9842658
Phase-1 RCT-164	0.676499	0.6433324	1,03716	1,0708702	1.0311988	0.52971363	0.88295263	0.8943539	0.9523826	0.95265734	0.7470849	0.9729535	0.9964131	0.9831034
Acy-CoA dehydrocerase, medium chain	0.887353	0.8298361	0.8521848	1.1776581	1.0318562	12301338	1.2064471	1.2035058	1.1354555	0.95849097	1,8350973	1.0120523	1.122	1.0700430
Gutathione S-transferase Yb2 subunit	0.8744547	0.70743483	1.3469238	1,8642306	1,5632342	2,6701372	1.3803933	1.1881242	0.98118705	0.81289244	0.71604294	1,597,51536	0.4213/20	1.2497047
Carbonyl reductase	1.1230837	1.2014769	1.38549	1.4008471	1 2269723	1.4448719	12205163	1.11136	1.0521109	0.82662459	1 0630787	0 4730464B	0.5563033	R7385684
Phase-1 RCT-166	0.885908	0.8685878	1.2536063	1.3630384	1,535/416	2//2/385	1.6305261	1.4075542	0.0477463	0.74082634	1 0834268	0 583348	0 89910793	1 6387482
Apolipopratein E	0.6926818	0.73708695	0.76596904	0.63/3324	0.75302184	0.6231972	0.0101211	4 4504777	4 4438767	1 0151323	2 3409011	1 2819693	1 5677905	1 5806195
UDP-glucuronosytransferase	0.8018561	1.0562968	0.5777857	0.83212785	0.56624097	0.945/93/5	1.1388319	1.1031272	1.1130704	0.0544440	0 5544707	0 0995904	0.6962163	0.48361412
Clutathione S-transferase P1	0.790731	0.7830968	0.85095847	1.0749508	1.032/1/2	1.9003340	1.4633333	1.3046334 0.60701064	A 87710724	0.8209814	0.7278438	1,4493803	1,0345317	1.1780701
Disultide isomerase related protein (ERp72)	0.61462264	1.1201191	1.201/20	1.1039910	1.48 3330 ACARCARO A	1 2241535	1 0023705	0 7865678	0.78694445	0.74173576	2.187539	1,0926619	1.0588775	1.5143704
Ribosomal protein L13	0.64633536	0.96051997	1 1297263	0.83519876	0.9882622	0,6318646	0.82588124	0.82657	1.2762002	1.0991138	1.386388	1.3424978	1,8216971	1,7313667
Inter-state July Market HA beaver chain (18h4)	0.86162955	0.8678301	1 4108797	1.0453478	1.2265004	1,7174895	1.3813598	1.1194184	1,2426153	1,3116717	1.0382118	0.87804085	0.8316061	1,09575
Meralphashring in the reavy charming	U,uu 1 UEuuu	V.VVe Vv.	121001-1											1

								120,000	0.000044	BESTOTES	0.84033191	0 9268245 0	98620884	7017373
Phase-1 RCT-3	0.8365647	0.9395714	1.1669317	1,2288176	1.1766759	1.5988965	3203044	3790599	1 1137623 0	79900295	1.2576091	1.0818975 0	92700243	1.1664408
Fetuin beta (Fetub)	1.0088193	3.90232766	1.141366	1,7418065	1.0301233	1 0866346	0657032	3,9716811	0.8622124 0	75651914	2,0389318	1,0594606	1.1678001	1.353997
3-hydroxyisobutyrate dehydrogenase	0.8804312	0.86175096	0.0000.0	358/4/B4	1 2005203	00051607	1275958	1 746742 0	.80164164	0.592439	1,759821	1.4403553	2.057483	0488708
Carbonic anhydrase III, sequence 2	98921967	0.71661156	0.7938021	1.4224030	72074436	1 4615057	1126118	0191767 0	84617186 0	87016296	2.032427	1.2886453	1.3623395	3721166
Phase-1 RCT-10	75076133	0.7415613	3 0.90218943	0.9026054	05027300	0 637171510	55664945	3.6628438	1 2527404	0.9988768	1,255821	0.9761692	1.0638013	3078854
Alpha-2-microglobulin	0.8343368	0.9091565	0.419/4300	0.770000	C42200E	0 7704308 0	61488384 0	69496644	0.7115494	0.6236137	1.7124864 0	84732056 0	.88940096	1.033255
Dynamin-1 (D100)	0.8330266	0.59297526	0.5/60426	4 4547070	06770625	0 8829925 0	95829403	3.8442683	1.0850848 0	95252824	1.0074192	1.2717823	0.8153445	39783741
Lysy oxidase	0.9952945	-		0 000000	O TOROGOLO	51535	0.86168194	0.8192903 0	0.65898085	0.6881865	27183495 0	63414896 0	71268624	57/9014
Phase-1 RCT-252	1.0556005	0.900/236	0.00451005	4 200000	1 2463438	1 5511298	1 2642708	1,0913371 0	988	0.98248357	1.0106361	0,9682502	0.8545327	0.8671001
Phase-1 RCT-29	0.8589103	0.5070713	4 4042080	1 2841780	1 4373442	1 1726682	1 2067256	0.9528627 0	.85578944 (71825396	1.0772731	0.8327065	0.8388641	1.4300/1/
Phase-1 RCT-278	0.8031201	4.0044405	4 4570483	1 2536618	13013704	1,9945265	1,4975928	1,4161092	1,2281724	1.1982733	0.68046	3.89036936	1.0100352 0	070000
Phase-1 RCT-42	4 4 660140	4 0404478	1 0917507	1.0091077	1.1052097	1,4296125	1.1500825	1.1218737	0.7476847	0.53527606	22141161	1.1985/65	1.2311082	1,3333040
Phase-1 RCT-25	1,1300143	1 3320513	1 0R2R186	0.94313395	1.089177 0	70781106 0	0.63549167	0.6452032	넚	12031022	1.4527085	1,1358302	0.92/4113	4000564
Cytochrome P450 2C11	1.047 (300	0 8705487	7060834	1 5350783	16748725	2,4147549	1.5590416	1,5356554 (0.96178955	0.8143403	0,938911	0.8560161	0.3424203	1,1000004
Phase-1 RCT-202	7044407	0.01054633	1 455007	1 2093728	1387967	1,411678	1,3392016	1.280233	1.1085494	1,0459726	1.5708002	12433539	1.342/03	1,203,310
Complement factor I (CFI)	4 2650155	1 3149BOA	1 1188011	0 94386524 (0.88696355	0.6060299 0	73982257	0.8757937	0.9742153	1.0774729	1.4538687	1.1128132	1,036393	1.1303407
Proliferating cell nuclear artigen gene	+ 074R057	0 9475904	1 2269067	8	1,3552039	2.243396	1.4424229	1,3409036	1.0091802	1.1626439	0.68335694	0.8624018	4 6048782	1 251760R
Activating transcription tactor 3	81895933	0,84704083	0.88098973	0.7685088	0.7611753 0	0.35415772 0	0.79505455 0	86002094	1.1540179	1,0581989	1.2310092	1.307 1723	1 0004985	1 1396871
Focal Banesion Rinase (pp (Correct	0.80255556	0.8754532	0.7282928	0.9721758	0.8867394 0	3.96418697	1.0445987	1.0153891	0.802/923	0.7302274	0000000	0.00011016	1 29110R4	1 1816468
Present Ruindon	1.145912	1.0575374	1.198725	1,0844622	0.9959634	1.0983241	1.1176699	0.9787859	0.9009669	/CRCDZI-I	4 554489	08235277	1.1671485	1.4635953
Prizage i Ru i 200	1.1640453	1.6355906	1,0352157	1.0799178	1.1832844	0.7847299	1.1222669	1.05/322	0.8//80504	4 0000064	26941884	2778152	38450304	0.3659965
WHC Asec I antinen RT1 A1M alpha-chain	0.9972669	1.0193107	1.1361642	1.3759997	1.0705094	1.0099671	12194107	1.1044097	6010R7	0 54588054	2471351	12312016	1,3594514	1.8410361
And enfortenesiase	12439897	1.310165	0.56771344	0.7857671	3.88722086	0.7817662	0.77083871.0	232660	4 2005745	1 1554767	0.8562761	0,8344058	0.9530861	95093256
Dheer 1 RCT-174	0.91602457	0.920593	0.8680023	0.98436	0.88579994	1.0586301	12363/32	710/3/033	0.687106	0.8078531	0 9224354	0.84551483	0.78409696	0.7808216
Phace-1 RCT-83	0.6125678	0.6399464	0.8961904	0.833401	0.6942604	9,64119524	0.000,000	70007045	0 6282733	0.5002535	1.6370288	0.7148238	0.77083343	0.9427805
Dhace-1 BCT-270	1,4584994	1,5315052	0.6152946	0.7676816	0.72315955	0.8639491	0.8046263	0.0307313	4 0450575	0.8498335	1 3282315	1.0664748	1.1870705	1.3934805
Colonia dation factor-1	0.9541161	1,0396934	1.0597334	1.00955	1.0419124	0.9732332	0.9195683	07/11/8/0	1.0133323	4 425777	0.9174778	0.80555274	0.9424185	1.1609318
Nested	1,3099031	1.1897026	0.9132334	65923	1.1300417	1,0289325	20/27/08	0.0233222	4 442965	1 2260314	1 0035723	0.7964192	0.85110015	1.0797102
Dhace-(RCT-82)	0,88862485	0.77057326	0.8062446	0.90665746	0.87591773	0.7920192	1.103/190	0.300013	10091600	0 85216814	0.94984674	0.9706572	1.1702771	1,0005679
Phase-I RCT-22	1.1453643	1.1618675	1:0225776	1.1026341	1.0402964	1.3031038	4 075579	200000	1 1071584	1.0340213	0.832381	1,5656103	1.1600322	71247196
AT-3	0.90603733	0.9031281	0.9976614	1.0689057	0.98594546	1.1461326	1.070012	0.0141742	0.8990918	-	0.94249564	1.0004622	0.9325709	0.84231174
Phase-1 RCT-18	0.892825	0.89008194	0.8773513	0.90315026	1 02525300	0.90003410	195982047	0.9504537	0.9031825	0.8483588	1.1020392	0.9956724	1,0089142	1.0251856
Phase-1 RCT-123	0.97973585	0.90732455	1.1024798	1.114093	1.0402135	0.5413004	0 7355400	B4205216	0.9458036	1.0382802	1.0237858	1.1357505	1,0863576	0.8582548
Phase-1 RCT-66	0.8948315	1,2325038	0.0004333	U.O.C.C.COO	-						1			-
Equilbrative nitrobenzythioinosine-sensitive	***************************************	11300000	7000385	O REGRESO	0.7068555	0,64839566	0,7387073	0.73839074	0.716545	0,7820436	0.8582106	1.1219658	1.3089018	0.8489366
nucleoside transporter	4 4 5 5 7 4 5 5	4 4202778	A 04633473	0.7663573	0.755903	0.4313325	0.88332593	1.128574	1.207415	0.9945252	0.85139745	1.5878692	1,43/8393	1 220055
Glucose transporter 2	1.100/433	1 4180780	1 1304655	1 2284033	1.0421556	1,6091955	1.188799	1,0005653	3,2028198	4.807093	1.0519062	0.8065036	0.00303104	4 4264700
Mutidrug resistant protein-2	1,334 1330	8078500 6	1 0443434	22213535	1,9071878	1.8822365	1,3722693	1.1376268	22431374	3,562903	0.90741515	0.70036517	0.53402233	0 8408739
Multidrug resistant protein-1	4 DEREGAR	1 0226623	1.5485436	1.6243107	1.6204712	1.4001831	1.3917048	1.3607749	0.6517956	0.7627219	0.84.22806 0.40261	0.40381838	1 2753001	1 2441224
Phosphatidyletrandarme-origing protest	1 132526	1.0779638	1.2817014	1,4432919	1.5982949	1.3770821	1.2377017	1,2076325	0.9288778	0.98913634	1.24.304.32	0.0406342	12/22/43	F6439794
Priester (No.1-100	1.3114879	1.4232178	1.324651	1.6908343	1.4487395	-	징	0.92653567	0363/363	4.0007634	0.0004646	0 34005773	0.3130526	0.8860155
MADDL Adaptom DASO addoredintase	4.0806494	3.0027156	1,6989262	2.0832083	2,0194879	2,1902692	1.8383207	1,8680952	41202D.1	4 404 7075	4 4642729	0.9771716	1 0364027	1.1895621
Water Charles of the Charles	1,5242809	1.3646675	1,2337272	1.1225349	0.9550196	0.9085765	0.9869537	1,0050466	0.3401713	0.49245952	0.7625042	0,70585215	0.6123458	0.70804214
Endogenous retroviral sequence, 5' and 3' LTR	0.5165693	0.6002911	0.8482144	0.9154013	0.74184805	0.850520	0.0064804	0 93160677	0 93032163	1.0200286	1.1499759	1499759 0.86604154	0.0663908	1.2565209
Phase-1 RCT-53	0.97976685	0.867602	0.85385007	0.62420313	0.91638130	19507991	1.0545969	1.0162714	1.0381478	1,2064209	1.1708696	1,2403518	1.4947203	1.1403051
Phase-1 RCT-54	6461233	4240462	7007000	0.7642493	0 8073651	0.8471472	0.90102226	0.8969238	1,1026996	1,0807533	0.7429401	0.94926643	1.0464951	0.05/2034/4
Phase-1 RCT-240	1,0712606	1 0320269	0 74883085	0.70675945	0.8110118	0.7564688	0.8595868	0.94851345	1.1329513	0.97196394	1.464994	1.3798045	1/3///34	4 2002019
Osteopontin	4 4864530	1 1025358	1.5721276	1.7808862	1.286136	2.308668	1.1478586	0.9430128	1.0046932	1.1150111	13125087	1.2322047	2 0544074	1 1825307
Organic anion transporting polypepure i	4 059708	1 2068901	1,1260324	0.93200153	0.8667875	0.845048	0.9384606	1,028387	1,0802159	1,23585/4	0.7835803	1.1342524	4 081317	1 1920884
Phase-1 RCI-241	0.73125684	0.8166276	1.2516875	0.9065136	0.95987433	0.8069182	1.0030282	0.9462118	1.2123314	1.0301903	1,22,3009	1.1601301	1000	
Codin-dependent kinase 4 inhibitor P27kip1 (alternate						32000000	7304455	0.6580639	2 2062097	23434613	1,93203	1.1681572	1,096278	1.2912824
done)	1.099315	0.9859917	0.69027317	4 2062367	0.692018	1 0267171	0.8504984	0.6988647	0.8996584	1,1383564	0.5197685	1.2719193	0.96762824	0.6247462
Phospholipase D	1.79132	2.1220172	0.6770303	0.0077647	0.0300013	0 98145944	0.94596833	0.81754875	1.2582023	1.6753571	0.6571651	1.5041195	1,3855762	0.97619897
Phase-1 RCT-39	1,234843	1.1883/24	0.6971963	0.06772347	4 0037404	1 0501468	1 2900573	1,1637061	1,0213588	1,0051064	0,9689177	1.08788	1.0943451	0.95825608
Phase-1 RCT-258	1.028073	0.9707950	1 1180696	1 0606307	1 0380102	0.94721204	0.9866886	1,0371937	1,310019	1.3834969	0.5816085	0.86168367	0.8893809	10.96//904
Phase-1 RCT-113	1.14000	4787749	0.8130658	0.9281134	0.90936303	0.63442373	0.8526223	0.9397308	1.0449245	0.8691805	0.84207547	1.4645038	1,6024200	3 60/1952
Adenine nucleotide transfection 1	2 696267	4.6598697	0.9496379	0.50308814	0.6561565	0.441198	0.7183224	0.63157027	0.6833422	0.5940568	2.4583200	0.080/1940 0.43462063	0 6447746	0 42449245
Multi-dare II anticen PT1 R.1 heta-chain	0.9384023	5 0.8297566	0.83702844	1,095187	0.8182763	1.2639391	1,0385972	1,7318316	1,1652542	1.1043772	0.00000100	CHARLES		
MING CASS II AIMBOILD LICET NOW WITH														

							- 1		100000	4 4000520	4 A DECOREE	1 3597642	1.41117311	1,909.
	4 2000044	E1155481	0 R2RG9671 (4 E4145481 0 R2R58671 0 B8306236 0.82173914	1,82173914	0.8449113 0.77970564		0.8903689	1,522,5431		122777		1 8714638 0.8284365	0.9284366
Organic cation transporter 3		000000	87001E0B	R2516384	0.7562802	0.5694877		0.9248941	0.9248941 1.168155/ 1.4463305		10.00	2,000,00	4 3073042 I R9026077	77036077
erlo	1.1/51000	100000	7505507	0 9770708	1.0045303 0.07 03 1300 0.0770704 0 RSR01586 0.9895021 1.0687524	0.9895021	1.0687524	1.1096555	1.16691	1.16691 1.1528066	0.8747553		1 2/20042 0 57890505	57899505
	0.94863844	183/3/0/	1000		00404407	4 2782764	1 2554395	1 2278699	1 2278699 1 2784302 1 2458608	12458608	0.8037106		210000	200
Mass 4 DCT 45	0.9924157 0.96512496	96512496	0.8353857	0.8353957 0.83074284 0.63121127	L	1	1 24 60175	\$ 437A211	4 4374211 0 67454654 0.44124624	0.44124624	3.1657946	1.2098377	1,2098377 1,2885/3/ 1,8240/16	1.6240710
anne adverdir	1.1436768 0.9743665 1.0919174 1.0283773	9743665	1.0919174	1.0283773	1.2/30000	- 1	200000	147E0EE	A 2220027 0 01475055 0 R2007276 0 5450613	0.5450613	1,0459129	1,0459129 0.9988063 0.80768555 0.98944014	0.80768555	0.98944014
rogernase, cymaonic	0.68720529 0.52471316 0.68720529	52471316	.68720528	0.622607 0.4614071	0.4614071	0.7746	11881790	20002046	U62/881/ U.DA 1/03/03 U.DZ/03/12/2	0 75143224	2.0608718	2.0608718 1.0054439 1.0387983	1,0387983	1.6078391
	0.0487965 0.78526163 0.7868117 0.7725535 0.7189452	78526163	0,7868117	0.7725535	0.7189452	0.7283643	1,0961493	20000	7 44 79 456	0.7283543 1.0861493 0.7897045 1.0509288 0.93712085 1.0509288	ARREARS4	0 93712085	1,0509288	1.1354331
Phase-1 RCT-189	1 324R7R3	1 600655 (.89021707	1 600656 0.89021707 0.78913873 0.84834254	0.84834254 (82212615	74228276	73424404	20000	111300000000000000000000000000000000000	2 0475407	1 236998	1 236998 1 5657574	1.4978704
eln		0.8776197	1,0237689	1,0237689 1,1195464 1,3460073	1.3460073		1,5194654	13890908	1,040230		1 0461301	13716481	1 3716481 0.99010708	1.0743206
			1 0534965	1 0534955 0 9269453 1.0404052	1.0404052	1.1105614	1.0713588	1.033/911	U.VBACSIA	201000	300076	4 4201429 D 9989097	0 9989097	1 260883
n activator	-		0 8451269	0 88711303	0 8454269 0 88711303 0.9324335 1.1539733	1.1539733	1.0593444	0.9458753		0.1724025	Separate .	n 9626016	1 3190224	1 9541435
	1,0632429		274476	0.67707137	0.243 EEE 0 67707177 0 5425779 0.38188384 0.55384473	38168364	55984473	0.7068695		1.3316345 0.9650653	1,1835	0.0020310		4 3617780
dina aroteln		67149425	0.741430	0.01231131	1.0414303 0.01631131 0.4472344 4.3482365 4.4271222	4 24BE265	1 1271222	1,1256844	1.0562371	1.0562371 0.8536232	1.1748092	1.0621/42	1.1//02/2	501/1001
Atthe 1 moments in Milamin Greanson (Ambs)		0.9178771	1.106238	1.0220344	100000	4 44 37 5 54	65077704	10177476	0.800716	0.7596816	0.7596816 0.9359998	0.9021784	0.9021784 0.93244845	0.7330300
Chara 1 DOT 204	1.0456845	1.0165571	1.1793431	1.1508029	1.043430	1.045436	4 2244510	1 1500354	0.9217278		0.92820656	0.8518984 0.92820656 0.87500155	0.9847531	1.0309957
PROGET COLLEGE	1.0418745 1.1052159	1.1052159	12155454	1.2653539	1.1510245	1.1510245 1.452/2/6 1.254-5/8	120000	4 44 37784	1 0000001		0,77806026	1,1299484 0,77806026 0.8739955	1.2169837	0.77556586
Phase-1 PCI-101	1 135428 1.1798067	1,1798067	1,1979158	1.0548937	1.0454826	0.946207	1,022/00	1.1132/04	1,000,10		4 220202 0 BEREITS 0 9583271	0.9583271	1.119747	1.0156262
Phase-1 RCT-158	4 400004 4	4 117785G	77668995	4 4477856 0 77668995 0.80830683	0,8545653	0,8545653 0,75862586 0,81834686	0.81834696	0.8382578	1.1909/42	Т	1 200200 CONTROL + 0046967	4 0046967	1 2524043	1,1093826
Phase-1 RCT-221		2000	07505375	1 1 1 2000 0 1 1 0 0 0 0 1 1 1 1 1 1 1 1		0.7704R23 0.7044417 0.80665624	0.80665624	0.7995034	12784946	1	0.00400100	0001000		0 7257841
Phase-1 RCT-235	ı	202/202	0.00.000.0	7.0000		4 7589704 0 9815859 0,8455374	0 9815859	0.8455374	1.0470886	1,308735	0.74752533	1,308735 0.74752533 1,3054888	- 1	0.0000
Occasio aniso transporting 3		1,0788183	1.0967199	1,0768183 1,095/199 1,28035/1	0.3322304	200000	0 705353B	0.8213148	1231405	1,1117179	0.7683936	0.7683936 0.66487163		0.8538271
state metallocoplanae.1	1.0331739	1.1545876	0.78255/6/	1.1545876 0.78255767 0.79120785 0.81341300	0.6134	0000000	A 64626084	0.6616924	0.8885156	0 8886156 0,5161849	2.495853	1.0747353	12703173	1,8503121
Maulk Headling and more	0.40298435 0.42798862 0.64832567 0.51525813 0.46051115 0.30103030 0.51053034	42798862	0.64932567	0.51525813	0.46051115	050001050	0.01030004	0.2160020		0.6472754 0.82816195 0.97290665	0.97290665		1,0761435 0.91478366 0.93177795	0.93177795
Officery Protein & Drewnson	1.1462754	1.2530912	1.0377884	1.0269414	1.0269414 0.9496968 0.8385461 0.65574656	0.8365461	0.02074000	0.1 10002.0						
FRASE-I NOT-212														
(1) Gene expression data for 6 hour timepoint are													,	
presented as mean railo of treatment/control for all 6														
hour predictive genes (Table 18).														
(z) Conformation and accompany (z)														
(3) Individual animal number														
(4) Liver inflammation classification for compound-														
dose group at 72 h: yes-next, necrosis observed; yes-														
both, necrosis with inflammation coserved, no, no														
(5) Predictive gene (as in Table 18 and as included in														
Table 26)											•			

Table 28. Expression Data for 6 Hour Timepoint (1)						1				_	П	П	П	
7	094 460	ERV 160	ESTO	EST 0.1	EST 0.4 E	EST 0.4	EST 0.4				GAN 50	GAN 50	GAN 50	GAN 200
	35.3	363	1422	1423	1431	432	1433	131	52	E	2441	7447	2	
Animal Number (3)	300	2	-		-	0	5	OL OL	Q	8	2	2	8	2
	2	2			_		_			A accept	0 0006351	0 0871055	1 0208721	1.1879667
Treath like mouth factor hinding potent	1,1768588	1.1011612	0.9709111	0.9024676	1.0365711	0.86086005	6	0.87844504	0.8526927	4 2623208	O BRITAIN	0.90146816	0.843108	1.1492279
Codd453	0.9856488	0.89152616	0.79630744	0.93423563	0.75830805	0.76985246	0.91209647	1.18/4303	0 0000575	4 3064717	1 0679102	1.0278081	0.9171689	1.148303
Canc	0.9444807	0.7075344	0.71237653	0.97698593	0.8141762	0.8086494	4 006434	0.9208556	1 0308541	0.9778167	0.99093145	1,0079533	1.0396165	1.055413
MPK	0.88638276	0.77936375	0.77597606	0.9050878	1 0001334	4 4369560	1 136951	0.9241644	1.1408347	1.1029679	1.1618222	1.1881638	1,1985086	1,3905112
Cathepsin L, sequence 2	1.3247303	1.0981913	1.0770246	1 0005888	0.71305335	11116625	0.9067209	12784023	0.9541441	0.93794405	1,2820069	1.10049	0.9722828	1,656585
Heme oxygenase	1.402208	1.5468351	1 2119268	1 1654786	1435941	1.39271951	1,6048622	0.85364234	0.9940829	0.86179256	1,0467349	1.0461495	1.1004812	1,449/4/16
Phase-1 RCT-109	0.857448	1 0432435	1 1756102	1,1301713	1.0346221	1,0221529	1,3688476	0.84810615	1.37006	0.86147445	0.71810126	0.76404	4.20000	4 2777/UB
Phase-1 RCT-111	4 2447205	1 0000453	1 0433547	0.98800856	1.1607779	1,0989169	0.8088698	0.98736835	0.97867063	0.90839297	1.4169972	1.447407	1.3000339	1 2264 142
Argininosuccinate lyase	4 4407336	1 2865008	1 0640155	1 0245098	1.2449958	1.1519443	1,6133766	0.82147944	0.96040606	0.9661346	1.185416	95,9502.	1.0832630	7504007
DNA polymerase beta	0.0503424	1 2608563	1 1825998	1,1221666	1,0390445	1,0290072	1.3971164	0.82977986	1,3528248	0.8956333	0.72704ZB	0.7861224	0.7450073	4 0975407
Phase-1 RCT-103	4 7618399	1 6397167	0.8952755	1.0680555	1,2527425	12516187	1.6165448	0.7690961	0.97288984	0.92546135	1,004/3/	2010101	10443000	10015550
Ribosomal protein Se	0.8459878	0.9856398	0.9061334	0.95895296	0.99849075	1.1721804	0.978297	12124351	1.0712627	1.06/2469	1,0408189	1 1226576	1 1837616	1 208211
Dissert RCT-114	1.0356091	1,0584905	0.9674718	0.91955256	0.71341854	0.6525286	0.66966474	1.1304988	1.1450401	1,6661705	1 4650777	1 1493648	0.91380924	1,5790453
Macmohane inflammatory protein-2 alpha	1.0556844	0.98809993	0.81209195	0.9934964	0.6536919	0.893988	0.6906/53	1,8/44/42	1.17.73333	2001				
NGF-inducible anti-proliferative putative secreted	1,000,00	4 5064100	0.84000594	O ORSHOUGH	0 97537433	0.9171475	1,3298756	0.8220695	0.81479526	0.88858664	1.1781976	1.10827	1.0217746	1,0031441
protein (PC3)	120002	1,3001103		0 91509846	0.9184071	1.0566248		1.1330929	0.9174525	0.9695322	0.8894708	0.8922458	1.0236179	1.1091336
Phase-1 RCT-191	4.4545305	0.7761000	0.7070791	1 2173963	0.8864059	0.77315694	0.77410394	1.627153	1,9365263	1,3066418	1.0773531	1.1889539	1.14164/6	1.400030
Phase-1 RCT-63	4 2022606	4 1001715	1 0776582	1 5590131	1.0891869	1.1186714	1.0239228	1.0862715	1.038386	1,306622		14255220	1.5130335	A 753434B
Cyclin D3	708/15	0 6643541	1 1291795	1 1274732	1.0878583	1.0536841	1.3846219	0.8856603	1.3662338	0.96990156	0.72789776	0.8162864	4 4720040	9 0069048
Phase-1 RCT-108	0.730423	C100000	0 0047237	0.80177844	0.87571126	1.1210703	1.1493211	0.5900812	0.8439579	0.47729516	1,302538	1.21897.24	1.1230043	200007
Phase-1 RCT-56	0.0967448	0.6793023	1 0984675	1.0937734	1,14159	1.1003376	1,1860825	0.7482807	1.0028249	0.7867896	1.0934982	1.1004/15	C COSCO C	4 478079R
Phase-1 RCI-192	0.746387	0 8178837:	0.978314	1,1075618	1.020117	0.89596266	0.8070684	1.097275	12415928	1.0507032	1,0501605	0.0543920	0.0003638	0 9468768
Prase-1 RCI-73	1.97041	1.180576	0.93414533	1.1314309	0.9466537	1.2056348	1.0184463	0.9486445	1.1001056	1200000	0.0453000	0.00120124	0 72807234	0.8081918
Acety-Con Calculyiase	0.6311227	0.845471	1,116095	1.0988961	1.0030496	0.99541795	1.4093237	0.85907394	1.1832/53	4 4050207	A R0571774	0.86511314	0 B4429514	0.85569908
Ostalin C	1.1886356	1.472300	0.9260225	0.8849542	0.9050608	1,069094	1.1904958	0.9604324	1,019/00/1	1 00705	0 9540139	966008680	0.96684664	1.0112478
Phase-1 RCT-49	1,5133136	0.992190	0.80823284	0.8758459	0.88502157	1.0885545	1,052/340	0.33103404	0.856257	0.66620785	1.1033766	1.1495314	1.0672605	1.0953043
Phase-1 RCT-9	1.4600878	3 0.8936956	0.60435694	0.9255938	1.1540/66	0.9524009	7942495	1 833617	1 0281488	1.5438823	0.97892843	1,008709	0.95821834	12484161
Gadd45	0.841727	1.0102928	0.6496318	0.85005/86	4 6244330	0.7307200	1 4486613	0.83163637	1,1524493	0.93152094	0.7994944	0.8360664	0.7368433	0.78722565
Phase-1 RCT-156	0.972354	0.9062919	1.12334	1.010000	4 2744754	1 1586922	1 2150831	0.803288	1.0408478	0.7953429	1.1871347	1.2025323	1,6307764	0.8753988
Cofilin	1.592473	1.613003	1.4324030	1.5109343	4 046854	0.9635861	1.08892	0.91751003	0.8532536	0.95097184	1.126501	1.0791448	1.0488182	1.1240592
Phase-1 RCT-127	1,440061	1.013636	0.65405004	0.3440031	0.48315987	0.63741016	0.4924438	1,232,168	0.9600214	1.2350811	1.0909677	1.0115021	1.0619075	1.0567342
Macrophage inflammatory protein-1 alpha	0.850453	0 746666	1 195458	1 2009614	1.0538801	1,0335635	0.78481615	0.90776324	1.034088	0.8755602	1.1337997	1.0492547	1.040g 18	4 0570360
Zinc finger protein	1021954	1.385872	0.9591825	0.8852518	1.0457087	1.0116353	1,0344901	0.8820209	0.9588637	0.82391334	1,2085300	1.1503197	0 8870734	1 0882293
Phase-1 Rol-73	1.03444	1.568384	1,5630064	1.1189969	1.3755157	1.1957835	1,3032209	0.8167888	1.023518	1.034590	4 380B088	1 4872484	1 1691604	13317048
Calculation posterio	1.437403	1.790460	1.077161	1.1564987	1.202521	1.1237297	1.1046577	0.74815214	0.9953317	4 40350E	0 9684547	0.86780983	0.9118036	126231
Phase-1 RCT-242	0.9826224	4 0.87965	6.6788809	9 0.8376394	0.82521665	1.3312824	0.7038084	1.337 1040	0.979121	1.01413	1.015355	1.0494449	1.0434613	1.0373479
Phase-1 RCT-50	0.7922196	4 0.740278	0.6842388	0.816330	4 2696469	1.74003751	1 1689371	0.6774882	1.199872	0.816362	1.0792490	1.0655756	1.0804625	1.3602378
Elongation factor-1 alpha	1.562170	2.4/5444	2 0.0815030	0 94507054	0.95255965	0.85499406	0.96783626	1,300396	0.9445	1 2997758	1.0244067	1.0878925	1.0542861	1.408833
Integrin beta1	0.045550	0.7826357	5 0830300	2 0.7530055	0.9459224	0.74221367	0.77301246	1.281666	1.153556	1.1137	1.096886	1.0793417	1,0314694	1.2303031
Insurin-like grown ractor baroing protein S	0.9926948	5 1,188170	1,031368	5 0.9696836	1.1328888	1.1499255	0,8764969	0.9291191	1.152492	0.95/5314	1.0118/6/	0.243004	0.6597897	0.7506604
Phase-1 RC1-39	0.8714710	5 1.010757	3 1,098425	1,238648	1.0165738	1.0181642	1.4599649	0.845163	1.352460	700707 0	4 026560	1 1818623	1 2430978	1,0492101
Ferrito H-chah	0.7953628	3 1.340531	7 1.26170	7 0.99828297	12793036	1.1860831	1.440003	0.0749139	1 084193	6 0 7170738	1,437916	1,5951359	1,5116729	1.0652738
Selencorotein P	1.424750	2.153893	7 1.353001	1.170033	1.350/426	1,000001	13003/3	4 011574	1 00479	1.157828	3 0,926266	3 0.94870055	0.85718163	0.9588866
PTEN/MMAC1	0.9103676	7 0.6426229	5 0.8338134	1.153555	1 456774	0.7703033	1 0589978	0.861292	1.053190	8 0.8455991	1,008060	5 1,0194654	0.9559037	0.8841123
Phase-1 RCT-214	0.89019	3 0.844667	0.97120	7 1 0067/K	0.13077	0.8686634	10.92217225	1.00408	1.163462	6 0.907105	0.87750	1 0.8646436	0.87669916	0.78817284
Phase-1 RCT-112	0.930831	0.770000	7 785830	A 0 0057788	0 8088392	0.7231497	0.67105865	1,338999	3 0.8039406	5 1,389512	7 0.986135	6 0.91858023	0.9697653	001505750
Thymidylate synthase	0.8652	12 U.24357	0.7306090	6 0 4877112	1,5037379	0.91870826	1.7624307	1.016260	1.045122	9 0.941618	3 0.847527	8 0.89165016	1.1132888	1,16/50 0,4730404
Phase-1 RCT-13	1 041514	139506	3 0.792346	2 0.7260545	1.0786111	0.8911851	0.9528492	0.696482	3 0.7626747	5 0.8478583	7 0.808357	0.052124	0.9783938	0.9578473
Nucleosome assertion produit	0.865400	55 0.56988	1.178908	1.145907	1.3262137	1.4430654	125396	1.040004	0.7799749	1.150453	10501030	4 4 OOR445	0.9598447	1,1170382
Vestoriar monoamine transporter (VMAT)	1,0852	4 0.931337	6 0.651484	6 1.103886	2 0.5281578	3 0.7789292	3 0.812885	1.371227	7 805487	104901	3 0 882285	1 0.8514795	0.8996616	0.8584147
Phase-1 RCT-260	0.84090	73 0.7195	8 0.844170	4 0.9341	9 0.53624410	0.794557.	7.192006	ויחאטניין	200010					

										10000	4 4040070	1 2001104	1 3300071	6495477
Dhaca-1 BCT.32	0.8221412	0.9422763	0.9613978	0.9896476	0.9886419	0.9294095	0.9163301	0.957783	1.781407	1.003451	1.46100.0	00887474	1 0798538	7806990
Peroxisome assembly factor 1	0.95759726	0.87218094	0.7172187	0.9283881	0.9459653	92150074	0.83/4128	1.13/4152	1 0118583	1 1509423	88362205	0.8958565 0	85190624 0	99618626
8-oxoguanine DNA glycosylase	0.9889684	0.8375036	0.89070165	0.89573106	0.0031633	0.04310340	0.0054087	4 4200044	1 034864	1 0342131)	92788225	0.8801953	0.9642041 0	91251785
Phase-1 RCT-82	1.0506724	0.88767654	0.75181127	4 7224503	1 5025201	1,4900399	1 209018	1 2411575	1 230181 (95446634	87689286	0.9340701	0.9647535 0.	75440556
Matrin F/G	0.8890115	1.0272851	1,6353183	1,73343013	1,300,000	1 0081168	1 0476953	0.7792058	0.779318	0.6891347	0.9836845	1.0086302	1.0034544	0.931503
Phase-1 RCT-184	0.96/3016	1 1 1 2000	1.1242020	4 0826/03	1 2557726	1 2274389	1,4154276 0	76208248	12491962	1.0798645	.86475974 (3.87747854	0.846267	3023772
Phase-1 RCT-168	1.4365767	1.1729809	1 563357	1 2553256	12167274	1,3616536	1.2856426	0.9509191	1.1892052	3,86546135	1.0582108	1.1296128	0.9059465 0	71491396
Phase-1 RCI-119	0 8915655	0.6487432	1.4877079	0.93319535	0.8697157	0.6328587	0.8590158	0.9940395	1.0354244	1.1274678	0.7558589	0.866868 0	74546504 0	0252473
Cardonic amyorase ii	1.07343222	1.0431467	1.123614	1.0263213	0.8210166	0.8562038 0	85730773	1.0787637	0.9945273	1.0336542	1,08/0/14	1 0428178	1 17492	1 1093224
Phase-1 RCT-71	1.17089	1.1079706	0.7751497	0.91764134	0.8122494	1.0540559 0	83274186	0.9916235	0.9306421	0.040332	1 77777	1 152815	1 1821909	1.1555505
Phase-1 RCT-179	1.0910583	0.7573277	0.97018355	0.87304884	1.0050968	1,0468878	1.10//38	4 0535400	0.7583724	78250515	0.7647272	0.8119298 0	72745204 0	58603245
Phase-1 RCT-161	0.89210093	0.7487954	0.73548584	0.72623446	0./61/141	73170746	0 6296563	1 1092855	10044167	1.0210335	0.93235683	0.9070539	1.0003488	1.1478363
Phase-1 RCT-207	0.9231412	0.70133173	0.7745623	0.9036350	4 0004200	1 1296295	0.97778416	1.0644376	1.0153602	1.0941297	33496674	0.90508366	0.9585745	1.2433691
Phase-1 RCT-144	1.9/31643	1.1130300	0.7001992	0 8247786	73440367	0 97831715	1.0031679	0.75788777	0.6707206	0.7501528	0.9744781	0.963665	0.86962424	0.9913808
Phase-1 RCT-225	1 0450544	0.8185//1	1 2084614	0.9578890	0.9481482	0.97044235	1.0339531	0.9555704	0.80023396	1.1395278	1.0104347	1.0767244	0.7984472	0.771584
Cylochrome P450 ZE1	0 94155645	0.68708116	0.7769845	0.98261875	0,884069	0.8581831	0.8763377	0.9775443	1.0918127	1.0781169	0.933121	0.93440384	0.94950765	4 404 504
Telemental (Text)	1,6292542	1.8406374	0.9015483	0.8520425	0.86626774	0.9274285	1,2117405	0.85553724	0.8410054	0.9198303	1.1532905	1.0181463	7.27059	0.9682804
Codemic soludree III	0.27025884	0.54109955	1,8491436	0.894806	1,2231811	0.55854505	1.0962778	0.49259812	0.36657047	02/268198	0.58809745	4 4000024	4 0478745	1 07RBR72
Phase-1 RCT-140	0.77207625	0.7469449	0.8802118	0.91166174	0.8979649	0.78086156	0.6707725	1.0425947	1.13266/2	0.97779465	1 130815	1.100000	1 1416992	15123183
Consiement component C3	1,6373163	2.541942	1.6290432	1,6561596	1.994994	1,4485755	2.0178778	0.77880834	1.0320320	4 0549494	0 6670471	0.69913805	0.7005901	0.8022448
Glucokinase	0.7758472	0.66276217	1.3439231	13213698	1.1481795	13/1239	1,0300230	1.01293131	0.307033	0 95489144	0.95539826	0.9664109	0.92851204	0.9657854
Phase-1 RCT-173	0.84644973	0.6069217	0.98719378	0.92325187	0.8517861	0.7/50/75	0.70441333	1 2461879	1 0267017	10282742	1.024571	0.96245104	3,97626615	1.067528
3-methyladenine DNA glycosylase	0.79176337	0.6231495	0.8889163	1.154561.1	1 2006768	1 1081788	į	0 92803067	1,118123	0.9031642	1,3529346	1.3456603	1,4140025	12194929
Peroxisomal multifunctional erzyme type II	1.0099907	1.8145205	1,333 1433	1.1344213	1 0830338	1 0027827	1.041308	0,80266935	0.98899287	0.8268415	1.0836779	1.113898	1,1622858	1.042037
Phase-1 RCT-40	0.017050	4 4000403	1 5410149	4 2R3Q411	1 7857149	1 2898401	2.0485048	0.5668374	0.73004746	0.71861213	1.0314611	1.0598552	1.0853969	0.9286421
Senescence marker protein-30	0.022/332	0 8429447	0 7168882	0 9429215	0.7155522	0.6950899	0.5960293	1.4022173	1.0101626	1 2929996	0.9957031	1.0076788	1.12747	1.2449/5/
Cyclin G	1.3312546	1,4187051	1.1636863	1.054955	1.1410657	1.138584	1,0716753	1.0264399	0.9282906	1.0704973	1.0858425	1.0268176	4 0444754	1.1014301
Metanontal-basociated divigen mental	0.9856089	0.68911767	0.7994339	0.9286673	0.8432651	0.8210998	0.8000804	1.1574198	0.9368496	1.039//06	1,0003220	0.8859038	1 0037388	0.748053
Enerin	0.7562854	0.74392694	0.96169555	1.0572027	1.1077341	0.62312457	0.084/648	0.0000130	0 0127003	1 0443631	0.857964	0.86627877	0.7839587	0.8033544
Alcohol dehydrogenase 1	0.9192483	2.0735128	1,7774692	1 4445485	1.1666741	0.9214266	1 0669761	0.86317974	0.8777512	0.839173	1.0048153	1.0174489	1.0020477	0.9965434
Stem cell factor	0.79911965	0.71634376	1.2561315	1.1930140 1.1437855	1 1221539	1.3145792	1.341305	1,4398396	1.0845029	1,4056427	0.9183365	1.0037649	0.839404	0.9011092
JNK1 stress activated protein tinase	22/445/3	0.6607116	0.8090719	1 0223559	0.68404204	0.7633085	0.7836847	1.5049736	1.0312555	1,3365917	1.083007	1,029079	0.9639329	0.9489444
Protein tyrosine phosphatase alpha	1 0385654	0.9657497	0.882597	0.95159966	0.879663	0.6863385	1.0278572	0.91261166	0.88024294	0.78128594	0.72558665	0.75351673	145550	1,2821/94
This dip contrasting ename (RAD 6 homelogue)	1.369906	1,1755967	-	1.1235083	1.1700889	1.3017168	1.4262298	0.75257814	0.9689129	0.98475075	1.244106	1,0921634	1.14503	1 4156PG2
DNA toodsomerase I	1.4878061	2,205883	1,6372882	1.6486973	1.8595204	1.4872819	1.8480041	0.7865569	1.1197311	CENTRACTOR O	14219652	1.3210025	1.157926	1.0162133
Phase-1 RCT-280	1.0611261	1.8882008	1,3969136	1.2756737	1.3155356	1.2698817	0.0848796	1 1272775	0.921368	1.1746732	0.8673803	1,002781	1,0239928	1,0910516
Superoxide dismutase Mn	1.4110487	1,4505973	0.08435705	1.0031002	1 1117284	0.9267524	0.85228705	0.80491745	0.90243727	0.7973308	0.795205	0.8545832	1.1169184	1,3057603
Beta-tubulin, dass I	4 033174	2 3393612	1 6723456	1,29/1649	1,4282696	1.5306454	1.4037429	0.9238005	1,2237756	0.8261807	1.0769815	1.2368604	1,0469015	0.708/421
Carbamy prospriate symmetose i	0.9875365	0.7556912	0.9093596	0.98166287	0.9646136	0.93745977	1.0029544	1.1045723	0.9802213	1.0825262	1.0372117	1.0595757	2 101637	1 8091883
Phase-1 RCT-141	1.8370632	2.019231	0.8543254	1.428568	1.0820501	0.9276283	1.117298	1.211239	1.1/924/8	1,1839/2/	1 0594461	1.0619445	1	1.1699277
14-3-3 zeta	0.7600928	0.69122475	0.6859844	0.81451356	0.7807224	4.04.487	1 6140575	0.8505758	0.88066775	0,7315026	0,6187469	0.62054207	0.8118081	1.4821295
Gamma-actin, cytoplasmic	1.26/22/03	1.4304480	1.1303430	1 3420664	1 4874643	1 2703654	1.6974485	0.725181	1.0808575	0.7949693	0.946975	1.0558317	0.97992706	1.3410084
Ribosomal protein L13A	13111361	13128432	1.7042711	1.5674787	12846203	1,5491813	1.344464	1,0037687	1.2603924	1.1727812	0.93291587	0.9278259	0.917038	1.0861006
Dhase 1 BCT.65	0.8555344	0.8388093	0.75412637	0.9682925	0.7586916	0.6571576	0.7016456	1.1419393	1.10/0448	0.68522/9	0.30330304	0.000000	0 85298485	1 0392345
- Columbia	1.0173876	0.915085	0.8925537	1,0495192	0,6597843	0.7935768	0.6889894	1,594034	0.8553474	0.8458105	1 1970849	1.064776	12469491	1,5756956
Protein O-mannosyltransferase 1 (Portit)	0.9034101	0.8918682	0.49147084	0.66062	0.5438997	0.47763473	0.4814504	1.0829788	0.9378938	1,1239996	0,8308073	0.81892467	0.8404022	0.93857905
HMG CoA reductase	0.73259246	1 004624	0.97986243	0.925131	0.83103334	0.90396327	0.84200233	0.91668373	0.9984648	0.87394685	0.9271374	0.9074849	0.98656505	1.4276354
Phase-1 RCT-12	0.00041								, ,,,,,	1 0070034	4 2000478	4 3778855	1 4572014	1 7455374
(PC4)	1,598326	1,93322	0.8581449	0.8436244	1.001286	1.0996817	1.1304364	1,006948	1,00500	0.8305816	1 0621989	1,0336233	1.1827425	2,1205149
Glucose-regulated protein 78	1,8064386	1.668854	1.0476301	1.1919304	1.5937/63	2420646	1.67.34307	0.7592739	0 94916993	0.62639457	1,3121604	1,475288	1.1508926	1.2062666
3-beta-hydroxysteroid dehydrogenase (HSD3B1)	0.7389/92	0.885/04	1.4353UT	1,1393702	0.89275837	0.6832731	0.9826469	12284529	1.0596352	1,380923	1,0215634	1.038705	0.9816207	1.1290275
Caspase 6	1 1181076	0.67876	0,6488192	0.87763363	0.51469725	0.7501223	0.9086439	1.2657778	1.0787144	1.0394231	1.0613164	1.0499644	0.96080434	1.0/328/0
Phase-1 RCI-168	1.0100838	1.008673	0.7293165	0.8733414	0.6326824	0.8402675	0.89182997	1.0415212	1.0492218	1.2352865	1.0762217	1.07.39240	1.1294014	1 0917329
Phase-1 RCT-34	0.85589904	0.719737	1.1397501	0.9509527	0.8389707	0.5816721	0.97822183	1,1307684	1,2562530	0.5021206.0	0.00243000	Carre Document	12.00000	1 2 2 1 2 2 1
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										9 10000000	200000	0.00037745	0 9709576	8898485
\$1.00 m	0 9864884	3.76445854 C	69874865	0.836699	0.5026922	0.5953944 0.	78815025	1.3795601	1.0387912	1.1625867 C	0.50001030	0.00706146	0 9791766	0995656
Trace More mede	.92844677	0.6936923	0.9047543	0.936325	0.9326756	1.0181215 0.	85824394	0.9331533	12481/84	1.10302	1 0228771	1 1806402	0.9370242	3.7124772
Disco.1 PCT-298	0.7682659	0.6338935	1.2018988	0.8266702	0.9453078	1.1644933	0.9835918	0.7743041	4 0677040	1 0332828	0 9211525	0.9629608	0.963623	3.9503008
Phase t RCT-90	0.8807425	0.64262295	0.7151828 C	7,91513395	0.7345679	0.5306665	0.7662/83	1.2501033	4 282 207 A	1 080127	1 0841445	1,1229985	1.0249515	0567319
Cylochome P450 2C39 (attende clone 2)	2.2703407	3,1142704	1.1792964	1.2665617	1.73/8432	2,3140/32	1.931023/ 0	200000	2 003479	2 3241203	0 9528632	0.8924213	0.5404746 0	95319194
Phase-1 RCT-290	2.060972	1.5371896	0.8744635	1.1090686 0	74775106 0		7037500	4 4 5 3 7 0 7 7	1 2268004	1 0872537	1 2718905	1241467	1.2372744	1.1703901
Phase-1 RCT-261	0.4630954	0.49776096	1.0773304	1.1826801	1.0634618 0	0.99248976 0.	1.2440005	A 8458985	1 0001492	0.7927215	1,5402112	1.3921909	1,2013757	3.7828333
Methylacyl-CoA racemase alotta	1.3272946	2,105478	1.6652191	1.3269/01	1.4682049	1,3502031	20000	4 4845357	0.9478962	1 3048253	0.8929434	0.93478688 (0.79693204	1.155874
Cytochrome P450 1A2	0.8436375	0.66745025	1.0889378	1,2520905	0.75063636	1.132020.1	0.7115887	1 0395828	1.1870173	1.1229293	0.8276283	0.92350113	0.9193868 0	0.97582865
Phase-1 RCT-297	78499615	0.60307693	4 6466347	1.1249/44	1 335622	1.589486	1,50977081	1,0098999	1.0955031	1.1364224	0.9712337	1.0366949	0.875574	0,8558994
Monoamine oxidase B	1,6255816	2,3074,304	1.010317	0 8575015	4 440297E	1.0630476	1,6655456	0.8301024	90842694 (3.89262646	1,2252316	12328354	1.478617 0.7	75134325
Phase-1 RCT-264	1,7190392	1 0430323	1 0643578	12538161 C	1,88438535	0.7232987	0.736896	1,2497065	90204	1.2166704	0.9143531	0.8973623	1 3000577	4 0375805
Peroxisome proliferator activated receptor garrina	1.6520003	1 4063532	1 0050722	0.975.8554	1.0305703	1,1259545	1.2071391	1.79841137	0.8473116	0.8262463	1.1731518	1.2068523	1.3035327	1,007,0000
Phase-1 RCT-143	1.330043 0.86422986	0.5608345	1,116351	1.0994359	1.1849986	1 234274	1,151554 C	95912474	1.1629089	0.94813573	1.0537518	4 7267600	4 0700451	101543
Phase-1 RCI-251	1 3241615	1 083835	0.96612155	1.1260457	1,3553807	1.1932194	1,3246967 C	94140947	0.8197872	0.95736006	1,213,001	7507050	4 2053000	7777
Phase-1 RCT-117	A BOCREARS	0 68402445	1 1788502	1.177211	1.0659184	0.7365681	1.0506797 (3,91421735	0.9347319	0.9777403	841/87FL	4 0753745	1 0782122	96204254
Gutathione S-transferase mea-1	0.8533818	0.91458476	0.79248345	0.8787451	1,0412823	0.8919876	1.205253	0.9077408	0.97877634	0.9162562	1.130351	, 29C9C78 0	0.0585	0.8457059
Pridse-1 KCI-31	0.95807344	0.99138645	1,2913598	1217122	1,0002224 €	3.95562845	0.9681691	1,0117407	1.169317	1.000000	4 0755752	1 0059547	1 0292554	0.9073447
PRISET RUITED	1.441598	1.50462	1,2300553	1.120563	1.1957966	1.1959169	1.302614	0.90689224	0.5245374	1.0100711	0 8058719	0 9202652	0.96562785	0.9902289
President Activities	0.80904675	0.60251236	0.733068	0.9262605	5.84091944 C	0.89637923	0.7439836	1.0658335	02021200	1, 1000433	0 0501313	0 9312827	0 85642284 (63516575
Activity receptor type II	0,78131527	1.0244017	1.8349138	1.2902992	1.3588682	1,3097798	1.0685291	1.4478925	1,3355231	4 0402634	O BADORES	0.81858534	0.8348437	0.7835368
Phaesa 1 RCT-284	1.1148539	0.8296069	1.2438651	1.2423344	12305013	1.2507955	1.6116289	1 0500118	0.912052	1 2962093	1.0620493	1.0402483	0.913403	1.1876755
Citian neurotrophic factor	1.5400989	12153813	1.3630351	1.1370887	1,1006909	1.40/4631	1.0200301	2000	2001					
Gap Lindian membrane channel protein beta 1 (Gjb1)			, 0644000	4 4533043	0 9071512	0 03274546	0 8830709	1.0956777	1,3284904	0.8326295	0.7729152	0.74805397	0.86962086	73031807
	0.75525427	0.90055776	1.2514693	1.1023012 0.8540387			7,89180374	1.0622563	_	1 2306905	0.88647336	0.9060493	0.97889775	1.0138844
Phase-1 RCT-96	0.79813565	0.5126285	0.0010003	0.000000	4 0070418	0 99467913 (3 98090345	0.9129724	0.9930888	0.9282041	1.1749226	1.1107905	1.0690785	1,086.2077
Phase-1 RCT-287	1.479234	1.0702342	4 6407926	1 00214BB	1 4755623	1.4761802	1.4909332	0.5919828	0.93945616	0.9206916	1.1987164	1 2385099	1,336,2243	0.7503615
Retinol-binding protein (RBP)	1,562/183	4 0502073	1 2028R2R	1 0667468	12046661	1.2658523	1.333508	0.7406006	1,3836932	1.0918556	1.092074	1.0749327	0.905222	4 0044605
Very fong-chain acyt-CoA synthetase	1.224 1050	1 5795851	1 639537	1,4703287	1.3660978	1.236374	1.3629736	0.8776321	1.1516063	0.91606927	0.9403634	0.9515841	1.003/433	1 2404443
Syndecan-	10778FT 0	0 63713044	0.7452095	0.8353918	0.9242154	0.7868198	0.8023227	1.0762134	1.1379573	1.1021233	1.0481003	0.8313/045	4 4497432	1 1720334
Statistic	1 2565578	1,3311044	0.7428051	0.993134	1.0692657	1.064658	0.94745034	0.8768019	1.0405251	1.0008331	1.1034054	0.03842846	0 91914713	72408974
F1256-1 KC1-145	1 1273452	12132533	1.3679941	1,0549533	1.0744011	12186797	1.1694341	0.92633694	1,0840/24	0.000	0.00 6010	0.0434720	0 86559427	3.81803215
Adn	1.1330476	1,1262814	1,2705606	1.1112571	1.0949777	12831258	1.2492431	0.9977604	0.61120235	1.0043020	A 84425227	0.8605077	0 89767545	0.94592106
Prizze-1 RC 1-03	1.3267893	0.8026229	0.91334915	0.94133466	0.78653735	0.9722935	1.1977534	1.3622067	1,0/000/0.1	1.1900373	1 207.4244	13695967	1.1330676	1.4530164
Alebo 2 moonalabilia senience 2	1,6776382	1,0396745	1.102/1883	0.9537591	0.870599	1.1371822	0.9455547	0.79215616	0.7834303	0.07242134	1 0932584	11159635	12148981	0.99308074
Phase-1 RCT-204	1.0434731	1,098005	0.8486773	0.8733006	1.0709085	0.9666277	0.96952254	1.0442617	0.8/41338	1 1377347	0.91553336	0,9933593	0.9857904	0.9995102
Vescular endothelial growth factor	1.1517438	1.044505	0.8489292	1,0091598	0.92196655	1.0128226	1.000.1	1.1920112	0.9015190					
NADP-dependent isocitrate dehydrogenase, cylosolic	70000070	4 4470474	1 1078151	1 1521425	12737777	1.1491959	1,3239802	0.787567	0.8268277	0.8448204	1.0262548	1.0169761	1.9351695	0.7778244
	4 4200744	4 1003084	1 1103067	1 0714403		0.92615837	1,2175328	0.6805302	1.1126077	0.8169384	0.9623937	٠,	4 400007	1,003,020
ONA binding protein inhibitor IDZ	0 50440547	0.761784B	1 2580222	0.8938906	1.0237811	0.750239	1.3666036	0.69051844	0.59770447	0.7637018	0.71/0014	0.02/94.0	0 0004775	A 85888577
Girlathione S-transferase va	0 8189732	0 7396226	0,5667303	0.7380618	0.84537685	0.6825304	0.7149295	1.2024765	0.9982668	152815	0.0270201	0.00408735	1 1874411	1 0125343
Eponde involuase	1.4577785	1.7916126	1.0621948	1.1022416	1.5247464	1.2181919	2.0276167	0.7091642	C11/0088.0	1 303698	0.8550313	0.891232	0.98457783	1.3697616
Description of the confined	0.6634302	1.1462694	0.74955887	0.9556173	3 0.75461227	1.0693597	0.7056202	1,2155835 0,90020	4 0003003	0.0600087	1 1041638	1,0231425	0.99624497	1,0514667
Phase 1 RCT-136	0.826546	1.0426108	1.1958572	1.1416948	5948 0.93971246	0.53/6603	0.057131803	0.93//010	0.7857350	0 84569246	1.1602648	1.1714804	1.096022	0.8416892
Phase-1 RCT-137	16136457	2.060941	1.260331	1,014,2803	1 2399544	4 245063	1.03/3/01	1 0587782	1 0028249	1.1088622	1.0087785	0.98108155	1.0398405	0.9146554
Phase-1 RCT-138	1,3834597	12551229	1.0138046	0.9984141	1.1292330	1213300	4 5205754	0 8824836	0.9136849	1,1440333	0.9746019	0.93515366	0.96434057	0.8193692
Hepatic lipase	1.209238	0.96211916	1.3983309	1.2330442	1.4/UH433	4 4474557	1 2000927	1 0440855	0.78868	1.1296884	1.1515738	1.1808201	1,0502557	0.96617824
Phase-1 RCT-164	0.846711	0.981302/	1.1086/48	0.8044421	1 1870076	1 1252R19	1.135217	1.0055192	1.4685704	1.0916632	1.1958207	1.207797	1.1919612	0.9440939
Acyl-CoA dehydrogenase, medium chaln	1.150351	1.2890032	1 0815744	0 9774206	1 0321274	0.74067295	1,0809009	9 0.73961186	0.7935889	0.70414317	1.2363359	1.430743	1,5573816	0.77194780
Glutathione S-transferase Yb2 subunit	0.5455400	0.74563223	0 74561006	0.9057999	0.8774008	9028647	0.84121823	1.1205435	0.8633014	1.141594	0,8593889	0.8466866	CZ019840	0.3074023
Carbony reductase	1.0537857	1 6912673	1.4170207	1,1929598	1.1831284	1.0596065	0.9078267	0.78107065	1.0247228	0.69536674	1.1796415	40404	788316	0.947122
Phase-1 RC1-166	1.359886	1,8860596	1.9153075	1,2943536	1,2245175	1.2587859	0.86888593	0.8369008	0.9132208	0.8125685	0.856500943	0.7991548	0.9669868	0.45977107
Addipopulating	1,726574	3.1045318	1.4323834	1.1547155	1.3735691	1.7116592	1,4407455	0.8143102	52/8020.r	0.9507052	0 8390458	0.9052309	0.9490827	0.8461275
Christina Stransferase P1	0.642459	0.80295486	0.6832241	0.88301486	0.59082896	1.0177938	0.71538/46	1.1/5020/	1 1303581	0.6560991	1.0607283	1,0741655	1.1471404	1.4941448
Disultide (somerase related protein (ERp72)	1.229782	1.57664	0.81328523	1.0294415	0.8836733	1,300,000	1.1735373	0 9198996	1.034359	0.7635469	1.0986263	1.0998461	1,1695693	0.8190209
Ribosomal protein L13	1.437806	1.669262	4 4070084	1.1752360	1 3180385	14177194	1.4441286	0.9215181	1.2161793	1.1943401	1,7282083	1.6751659	12966242	1.8004828
Ceruloplasmin	1.3/3924	2 229330	1 8075504	2.0454504	1,4797555	1,4189385	1,130623	1.0331292	1,59834	0.9966307	1.6452599	1.6181357	1.5050	1.8230221
Inter-alpha-inhibitor H4 heavy chain (IIm+)	1,661600	4.666							}					

														1000000
Phase-1 RCT-3	0.8719014	0.6752765	0.81690854	0.8549821	0.8310048	0.7373769 0	.74270374	1.0030544	1,2264663 0	94148556	0.9859567	0.9880112	0.998566	1.0166568
Fettin beta (Fetub)	1,2902241	1,87001	1.2659246	0.98522474	1.4290245	1.2185038	1,3095896	1.2058755 (.99522156	0.8874787	1.0298739	100000	4 2504406	0.33/22/1
3-hydroxylsobutyrale dehydrogenase	1.3094753	1.2894554	1.3773757	1.0454645	1.251797	10435725	12719252	0.7838837	0.8/12/128	4 2455644	1.1921071	197175884	74957314	0.6133111
Carbonic anhydrase III, sequence 2	0.9134101	2.0650778	1.0309578	0.8891279	1.5243288	1.5975764	1.5620345	1.1183882	0.918/U64	1.2103044	4 4006433	1 10786/77	4 4678182	7675437
Phase-1 RCT-10	1.3700948	1,3141075	1.2436148	1.265796	12154814	13412837	1210117	0.8338131	512775UL	0.8910733	0.0504400	1 0663607	1 2457829	7635565
Apha-2-microglobulin	0.82986856	1,1698159	1.0847135	0.54166564	1.251559	34/35185	1.8482373	1.0004133	08/07870	27651251	91760457	0.9699516	0.8648143	0.7311506
Dynamin-1 (0100)	1.2192806	1.2043574	1.210/583	1.11/3012	1.3420340	1 85947793 D	0.09442554	13470047	0.8827684	1 2751837	83769025	0.9369568	88350403 0	.88880235
Lysyl axidase	1 7807340	2 4302000	1 6457626	1 2355466	1 4343934	1 564086	1.351013 0	88978213	1,1627455 (3,84663904	1.0028826	1,0926553	0.9848213 0	.71336967
Phase-1 RC 1-252	1.0821835	1.1814607	1,1514968	1.3064675	1.0361967	3.97455364	0.8838937	1.0285221	1.6094371	1.0452476	1.2516003	1,2366166	12159976	1.3413879
Phase-1 RCT-278	1,3645263	1.9492674	1.0924875	1.1817787	1.2744539	1.1919564	1.0845056	1.0717726	1.2469356	1.0405946	1.2067676	1.255564	12723114	1.947057
Phase-1 RCT-42	0.9812943	1.1490036	1.078647	1.1241323	1,0854632	1.1083546	0.9250989	0.9836589	1.1781605	0.99491334	1.026/168	4 0746027	LOVENIO L	1022916
Phase-1 RCT-25	1.7418795	1.6228507	1,0961189	1.1046001	1.0791037	1.1009426	1.0491645	1.0021683	0.9635005	1.0013412	0.7402408	27701107	1 0688417	0 7016119
Cytochrame P450 2C11	1.3682029	1.4176861	0.863726	1.0004817	0.9598765 (0.77066153	0.9803201	12/23028	1 4774407	0.7504030	4 2238872	1 3087919	1 2769138	1 0364217
Phase-1 RCT-202	1.0640984	1.496153	1.1296462	1.0304474	1.1185281	1.0373147	1.1361918	0.95422333	1.12/440/	0.7304938	13676508	1 4707603	12666811	1.1873071
Complement factor I (CFI)	1.9419388	1.9341391	1.3262173	1.3308641	1.3472742	C9960	1 236.251	1 5044545/	1.1013/001	4 2547224	0 8121607	O RARAASE	0 8530536	946319
Proliferating cell nuclear antigen gene	1.3857287	0.9707131	0.7581933	0.8950108	0.8150545	0.90658305	0.9223/94	1230/83	4 406-3703	1440070	0.0128085	0.8528027	0 82777698	81034243
Activating transcription factor 3	0.743288	0.6863983	1.1154406	1.2974913	1.1226995	0.8317565	0.79459167	1.1823/15	1.1903/83	1.1140370	4 3591703	4 4773R14	1 0313377	1 4241583
Focal adhesion kinase (pp125FAK)	1.3911356	1.0130914	0.93224746	1.0970393	1.061/284	1.17.37/06	1,0616090	0.070207	0.7571452	0 7892287	0 9443383 (0 99350226	386074126	79168427
Phase-1 RCT-289	1.143574	1.150601	3000	1.1212/38	1.2001020	1.113/U30	OGAARAA7	1 109886	0 91059184	1.1054217	1.1007291	0,9849792	1.1285352	1.1418358
Phase-1 RCT-259	1,26568/8	1.5555388	4,000,000	4 0037450	4 4974744	4 0400282	4 4 2 2 4 9 7 7	1 3955858	1 201415	1.4941527	0.9774711	0.98000604	1.0596461	-
fron-responsive element-binding protein	1.1855817	1.1430272	0.7574533	0.044030	630500AA	0 71210075	0.5002991	1 6405619	1,6095062	0.68223195	0.9585427	0.91295666	0.9804375	1.1343632
MHC class I antigen RT1.A1(f) alpha-chain	4 694000	4 4434357	1 5265247	1 1719993	1 2592592	1 6699263	1.5837331	12582941	1.1392636	1.1905118	0.92263407	0.9903928	0.881448	1,85865825
And suiloransierase	0.98757777	0.9708443	0.9821231	0.9339302	1.0909424	0.86758145	1,0564957	1.062079	0.9425458	1.1003333	0.919231	0.86465067	0.8935938	0.9918841
Phase-1 RCI-171	0 8245855	0.7433325	0.81102407	0.8436395	0.7522541	0.9181684	12139158	0.9012268	0.73314637	0.86263317	1.0691293	1.080076	1.1858071	.80088276
Priese-1 KC 1-63	1 0933949	1.1445255	1,4826891	1,0451792	1.2079656	1.2068535	1.3416092	0.9044092	0.9920289	1.0571306	0.8544738	0.8962595	0.9053668	0.7447391
Potential define fector 1	1,1212391	1.1506716	1,5150774	1.2607093	1,2495036	1,2104498	1,3696338	0.867008	1.1448611	0.9437523	1.0215753	1.0300275	0.9800738	1.116445
N-carthern	0.7962678	0.9015904	0.9283397	1.0360582	0.97505146	0.8734666	0.84973425	1.000052	1.4846786	1.0469928	0.92412716	1.0411748	0.8828231	0.9883543
Phase-1 RCT-82	0.9313862	0.76757747	0.9443841	0.82625324	1.0660503	0.8429599	1.1939863	0.9821584	1.0607771	0.9807754	0.8333/95	00000000000000000000000000000000000000	0.020001	4 2008001
Phase-1 RCT-22	0.90777576	0.8395485	0.9738843	1,07777836	1.0355085	0.9713904	0.8493021	1.0467068	1.2276.356	1.05441/6	1,030361	1 0698498	1 0185012	10275601
AT-3	0.92179275	0.9106228	0.8068411	1,0236082	0.8949907	0.9058294	0.85747355	0.87488526	4 0405888	0.04558706	0.8022961	0 89764076	0.878736	0.8876132
Phase-1 RCT-18	0.8832883	0.8746072	0.83984494	0.86016166	0.89246565	0.9490553	0.87870106	0.0033310	0 0727401	1 0716985	1 0048393	0.9779226	1.1099734	3,91115797
Phase-1 RCT-123	0.962006	1.0249429	4 42504054	0.90226613	1 0120778	4 0063700	4 4513682	0.81588477	0.8695129	0.9060805	0.8890766	0.846912	0.9916784	1.1643823
Phese-1 RCT-56	0.35/20/40	1,230134	1.1200430	1000	21.22	-			-					
Equiprave nurocenzyonionosme-sensove	0.8563785	0.9614269	0.8068411	0.8153412	0.9050926	0.8994102	1.2377571	0.83805704	0.71427625	0.7641416	0.8881791	0.90572804	0.99629754	3.79613787
Girose transporter 2	0.92948765	0.8012118	1.0538887	1.3476316	0.9047159	0.93382293	1.0847353	1.1024265	0.9504385	12355084	0.9421545	90030204	0.773038	0.6565550
Medidon resistant protein-2	1.1486478	1.1094857	0.95564544	1.0017657	0.71132654	1.1167126	0.7720512	1.3792572	0.9252869	1.2510734	1.0185406	0.986/88/	4.0404304	1.07453574
Multidrug resistant protein-1	0.96528757	0.9473273	1.160759	0.9601741	0.7923429	1.1376871	0.73037475	13454603	1.1751854	1.240/064	4 4057646	1 0902412	1 0848788	1.0658838
Phosphalidylethanolamine-binding protein	0.8674455	0.9159802	1.1637789	1.2492301	0.9717801	4 2262002	0.728//2/	1.1423007	1 3150133	0.09539654	1 2767365	1.1118752	0.9976603	1.2604622
Phase-1 RCT-180	1.1576403	1.019/212	1.1035241	0.0742826	0 84277256	0 77801627	0.5046737	1.132319	0.95419294	1.137621	1,0233933	0.96185017	0.9904996	1,098962
Integrin beta-4	0.0000010	4 4094 524	0 7434096	0.884BE01	0.7097643	0.5861417	0.5288219	1.5357448	1.1617632	1.0528738	0.964665	1.027509	1.0734352	1.020564
NAUFH Cycontone P450 axion condasse	1.3803123	1.4088452	0.7624358	0.8856094	0.8821272	0.799751	0.8291726	1.1536329	0.93411285	1.1173491	0.9143765	0.92119694	0.92664	0.983333
Endonemus retroviral sequence, 5' and 3' LTR	0.75356585	0.73984635	0.79506445	0.79234505	0.5524822	0.37961715	0.77079123	0.84091264	1.0680732	0.77562577	0.8808555	1,0254450	0.8038348	0.0175075
Phase-1 RCT-53	1.2707925	1,4286716	1.0380342	0.91332	0.9379207	0.62388544	0.92413735	0.8706221	1.16/8468	0.88360476	4 0000014	0.3312244 0.00530643	1 246 1926	0.9937476
Phase-1 RCT-54	1.0628599	0.7219317	0.8827721	0.99760985	0.9833105	1.0435833	1.0830121	0.04550333	4 2545133	0.0056484	0.7451941	0,80618054	0.70015115	0.7589897
Phase-1 RCT-240	0.78108793	0.556/9065	4 2520782	1,138957	4 004105	1 1816181	1 250130	0.60556936	0.8538193	0.69425255	1.1408113	1,1733186	1.2081922	1.1974768
Osleopontin	4.056722	D 73982644	1 0722378	0.89178914	0.76898766	0.6333056	0.6926542	1.6819478	1.157278	1,1119916	0.941997	0.9761181	1.2329247	1.1460276
Organic Brion transporting polypephide (0.90887433	0.87740415	0.84149575	1.0271144	0.98408777	0.91595465	0.86984307	1.0136344	1.0477456	1.0032991	1.3117841	1.0819718	1.0317837	1.3817034
Tissue factor pathway inhibitor	1.2583307	1.1556181	1.0391802	1.1522917	1.087172	1.0362277	0.9414009	0.906368	1.0785034	1.3328459	E/LLOOT	1.002200.1	0.890783	1711000
Cyclin-dependent kinase 4 inhibitor P27klp1 (alternate	4 000537	0.000000	4 440548	1 GROTRAG	1 023574	0 93835413	1.2954501	1.4057772	12420702	1.1377441	0.75924915	0.84600043	0.77310926	0.86582583
Growth diseas D	0.7464501	0.63405466	0,6115469	0.84019065	0,39074203	0.5082839	0.7526615	0.97507536	0.94809103	0.80852216	0.84021735	0.85215044	0.8479431	0.9716746
Phoen I RCT.39	0.960673	0.7186321	0.7834398	0.95236105	0.6264254	0.8006407	1.0402987	1,3935071	0.9841	1.1324279	1.0541834	0.9784028	0.9681107	1.135391/
Phase-1 RCT-258	0.9808973	0.9831447	1.0514966	1.1169324	0,9833162	0.90756094	0.74978805	0.9651241	1.0427383	1.0023911	10/455/1	7/E8CTU.1	0 8859013	0 9148685
Phase-1 RCT-113	0.76396877	0.8537632	1.0567714	1.2082278	1.0176572	1.0805589	1.0053838	0.92100036	1.28/8319	4 0280517	1 0078987	1 0150184	95996550	0.8734237
Adenine nucleatide translocator 1	0.80744684	0.65257068	1.2100177	1.2070217	1.0993935 1 BB04938	1,05/1/5	2 6277716	2,6030443	1,4992294	3,3139992	2.1956968	2.234238	21717777	5,74953
Apha-1 acd glycoprotein	0.6496102	0.50666467	0.69793355	0.6378044	0,62692153	0.7768427	0.5139286	1.2249173	0.94546777	1.2048787	0.97356486	0,92684776	0.8431986	1,0397598
MHC dass u anugen K1 i.b-1 beta-triam	V.0300	7.00000	State of the state										i	
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	000000	10000000	4.0000014	4 00070001	4 4000470	4 27007734	1 24 COOLZA	0 70040561	0.200405610.0006713410.854559061	D RSAFSONEI	1 1509087	1.1257611	1,1257611 1,06114591 1,5157013	1,5157013
Organic celfon transporter 3	1.9435028	1.417.3449 1.0090251	1.0090201	050,000	1.13201/2	2500000		100224004	0 0000047	4 0801255 0 04218585	04246585	0 9669511 0 9208431 0 96926725	0 9208435 0	96926725
Hypoxia-Inducible factor 1 alpha	0.9126284	0.9126284 0.6216579 0.7798134	0.7798134	1,0380183	0.932/84/ 0.9546215	0.5046215	_	_		200000	2000	0 0742026 A 02640664 A 024/1370	03C40564	0.0760370
	0.92050904	0,6701385	0.92050904 0.6701385 1.1282464 1.0453371 1.0132947 1.0289285	1,0453371	1.0132947	1,0289285	1.2245867	0.8627787		0.9212502	0.976203	0.87423310	2000	0.0240373
	0 71097124	0.5845181	0.71097124 0.5845181 0.78534615 0.86276406 0.89352655 0.91603273 0.84130454	0.86276406	0.89352655	0.91603273		0.9552561	1.0488483	1.0162268	1.044767	~	34333403	1.040805
4.5.4	21011616	2 2004467	2 404 4646 2 2004467 4 3020692	1 155894 1 2115399 1 2459149	1 2115399	1 2459149		1.0281216	0,9284128 0,98602873	0.98602873	1.0999607	1.17292211	1.1528748	0.929069
marate periyal ogenase, cytosonic	1010101	1 5251584	1 2661577	1 2661577 0 9858915 0 8654676 0 65611583 1 0383929 0.79553145	0.8554675	0.65611583	1.0383929	0.79553145	0.9584895 0.90755093	0.90755093	0.9835677			83778495
VL30 gement	1 3821580	1		1 550,0024 1 2239,876 1 5221,268 1 2031,628 1 4402,955 1,0084,114	1 5221268	1 2031628	1.4402955	1.0084114	1.0830404	0.9528013		1.0088615		0.7648533
Frase-I KCI-103	0.00048306	1		1 0280758 1 0830582 1 0252377 1 0746402 1 2074784 D 98100203 1.1294975 1.1082693	1 0252377	1 0746402	1 2074784	0.98100203	1.1294975	1.1082693	0.9889388	1.0150831	0.9235835	1.0374253
Alpha-fetoprotein	4 R12058R	2 2534697	1 6321498	1 2048163	1 3470445	1.3470445 1.2065365	1.2498592	0.81973857	12498592 0.81973857 1.0295177 0.76543087	0.76543087	1,1313366	1.1794803		0.71899015
The standard of the standard o	1 1204504	1 221 6958	0.7946989	0.7946989 0.96540546	1.0298942	1.1705279	1.0787047	0.78712994	1.0787047 0.78712994 1.1084479 0.78761923	0.78761923	H	0.9983143	1.1221168	1,0275971
Change a Dort 105	1 2457328	1.0814753	1 2281411	12886027	1.1062733	1,0824293	1,0107511	1.047135	1,0107511 1,047135 1,1088318 0,9024543		_	1.0634416	٧,	.86819774
The fath acid Niedina ambain	1 2735231	1,568836	1.568836 0.58541703	0.6713243	1.1397182	1.0171992	1.7734525	0.6682353	0.9256212	1.7734525 0.6682353 0.9256212 0.87509125		_	_1	1.1885684
Alaba 1 microsolobulla filmin macuran (Amba)	1 5265242	1.9282435	1,6018815	1.2947071	1.4872696	1,5011393	1.1881938	0.88295346	1.07770204	1.1861936 0.88295346 1.0770204 0.8888501 1.1754105	1.1754105	1.2348591	- 1	0.9632812
Charles and Company of the Company o	0.8238479	0.8238479 0.6765473		0.87427837	0.7458273	0.7538211	0.7097779	1.2111757	0.94395465	1,0821766	0.87816995	0,7097779 1,2111757 0,94395465 1,0821766 0,87816995 0,91125256 0,88325113		0.9555534
December 1 Dort 161	0.87615764	1 1324193	1 0501075	1.0579021	1.1804786	1.0792055	1,0374317	1.1408068	1.1406066 1.3191522	1.0113878	1.037876	1.037876 1.0498581 1.0365332		12781514
Tigger RC1-131	0 8500760	1	0 7234R425	0 95R3364	0 7892445	0.8554878 0.68918574 0.99154437	0.68918574	0.99154437	1.152408	1,0572858	1.0933256			1.0863605
russen RCI-130	CO 1555000	T.	1 2061017 1 0061201	1 0834004	1 0355052	1 0647916	1 2703807	0.8347601	12746607	0.89242508	0.78231514	0.8347601 1.2746607 0.89242506 0.78231514 0.8195969		0.8204901
Phase-1 RC1-221	U.SUOPCOST	Ľ	0000000	-1	200000	0.005658	-	0 9375747	1 2107277	1 0282974	1 0282974 0.8643346	0,8871032	0.7596452	0.8319896
Phase-1 RCT-235	0.9760/33	0.9/60/55 0./5049/34	1	0.0231011	0.3242630	0.0000	2000000	0.0010000 4 4400077 4 4006676	4 4006676	4 2123515 0 OS435514	0.06435514	1 0059602	1 0105271 0.94500047	94500047
Organic anion transporter 3	0.8121159	٧,	- 1	0.89/413/	0.0000453	0.5689242	0.0040023	110000	1.130370	U.0840UZ3 1.41Z32// 1.13UJ3/0 1.21Z3013 U.0840UZ	100000	┸	1 0747011	1 0295709
Matrix metalloprotetnase-1	0.81534785		1,3212502	0.9954585	1.2021214	1.1424415	1,3/94646	0.73002007	20000	0.0001510	1 2070707	ь.		1 DAADEA4
Uningry protein 2 precursor	1,6159259		1.8535622 0.87552273 0.83843356	0.83843356	1.2042204	1.1376203	1.9796394	0.5765944	0.5765944 0.6756949	0.7663379 1.2072107	1.20/2/01	1,00000	2007	100000
Phase 1 RCT 212	1,130138	0.9721732	0.7315075	0.8424636 0.59629184	0.59629184	0.854425	1.0236936	1.0236936 0.87936825	0.7236772	0.8517733	1.0374604	0.9553602 0.95214837	7,302,14837	1.0350410
(1) Gene expression data for 6 hour timepoint are												_		
presented as mean ratio of treatment/control for all 6									_					
hour predictive genes (Table 18).						†								
(2) Compound and dose abbreviations as in Table 1.														
(3) Individual animal number													1	
(4) Liver inflammation classification for compound-					-									
dose group at 72 h: yes-necr, necrosis observed; yes-														
both, necrosis with inflammation observed; no, no														
(5) Predictive gene (as in Table 18 and as included in														
l agie Zo														

Comparigned Comparigned						_							†	+	Ī
Comparison Com	Table 28. Expression Data for o nour unepoint 1.7	П	П	П		П		7	7	T	HYD 250	HYD 250	Τ	Ħ	30N 50
The contraction of the contrac	Companie Dose (2)		П		1	٦	3	5	3	2	1222	1223	Ξ	1233	1941
Control Cont	Animal Number (3)	2452		122		_	3	-				9			
Control Cont	Liver Toxicity Inflammation Classification (4)		2									1000	A 70000E4	4 4073048	4 R12504R
1,000,000,000,000,000,000,000,000,000,0	Gene Name (5)	1.2374921	0.91739535	1.822697	1.1452451	1.4183425	1,0239638	1.0873212	0.9726707	12437371	1 005501495	1 2753471	1 8127629	13033437	1,2639816
1,140091 1,140091	Insulating grown leader bleady process	0.9373988	0.9648556	1.0703622	1.1455681	1,116924	1.0480782	1.1497957	0.99558/35	1,013///4	1 2445552	1 3963808	1,7979863	1.3446151	1.2089368
1,10,000 1,0	omyc	1.0157576	0.9838143	1,0466344	1.3003286	1.0182368	1.403417	0 04 064355	0 97591704	1.4792056	1.1551942	1.1605475	1,3261899	1.1046464	1,0196811
Column C	NIPK	1.1409038	1.1083313	0.9591495	0.306443	-1-	-	12	1,1194373	0.8249791	0.81057245	0.60637355	0.7438993	0.9303628	1.4262623
1,500,000 1,50	Cathepsin L, sequence 2	1.6697217	1.6230381	1.3434994	1,030,054	200	-	0.8930439	1,2440006	1.1396204	0.9953123	0.9568135	0.98663425	1,016218	1.050306
1,200.000 1,20	Heme oxygenase	1,4655039	2.03/6/22	4 2745892	0 8715504	1 0551664	1.0914787	0.975318	1.0201967	0.8590411	0.7175077	0,69962037	0.7153949	0.71285965	1,111300
Company Comp	Phase-1 RCT-109	1.4/30363	1 8000384	0 62072723	0.65496847	0.65914714	0.62694293	Ξ	0.85050964	0.9120102	0.7260567	0.6458811	0.9574545	0.7030/403	4 570090
1,540,779 1,240,779 1,14	Phase-1 RCT-111	1 6766800	1 5070518	1 5717558	0.891384	1.1402718	0.901285	-	0.91985756	4,468011	1.656183	0.9638/388	1.325439	1 02255023	0 80016754
1,000,000,000,000,000,000,000,000,000,0	Argininosucchate lyase	1,0530033	1 2479088	12153013	0.999557	1,1104017	0.98468655	1.0251644	1.0760462	0.9698269	0.8044097	0.67450394	0.5627675	1,0633342	777710700
1,256/271 1,256/272 1,256/271 0,256/271 0,256/271 0,256/271 1,556/271 1,556/271 1,25	DNA polymerase beta	1.30401.03	20075000	0.8054577	0 6289024	0 85705717	0.55913883	0.69916403	0.7859213	0.8658794	0.5764923	0.592/502	033783764	0.00000	4 404474
Company Linguistic Linguisti Li	Phase-1 RCT-103	4 22/8764	4 5530837	1.050806	0.9454512	1.0452622	0.9874271	1.1646127	1.4541751	0.6685841	0.73505116	0.547791	12003582	1,0888009	1 1255039
1,1540776 1,1540776 1,1540776 1,1540777 1,154077 1,154	Ribosomal protein S9	4 0678983	1 1440423	0.9531116	0.9322121	0.9255427	0.9512395	0.9049935	0.9930867	1.1923321	1,02655/4	0.8374433	4 7008378	4 0844592	1 2936307
1,515,712 (1980) 1,615,712 (1980) 1,615,713 (1980) 1,615,713 (1980) 1,615,713 (1980) 1,615,713 (1980) 1,615,713 (1980) 1,615,713 (1980) 1,615,713 (1980) 1,615,713 (1980) 1,615,713 (1980) 1,615,713 (1980) 1,615,713 (1980) 1,615,713 (1980) 1,615,713 (1980) 1,615,713 (1980) 1,713,713 (Phase-1 KCI-114	1.1548798	1,3677597	1,1249108	0.9284031	1.2165934	0.8420305	1.1084207	0.9602706	1,250/383	1 2100037	1 0129354	1 043825	1,5169299	1222366
127(017) 1107207 110	Masse-1 KC (+15)	1,6157172	1.699052	1,4845176	1.152255	1,3557	0.9761956	1.1075238	0.936268/5	1.239627.0	1210000	200			
1,20,044 1,1000 1,000	NGF-Inducible anti-profiterative putative secreted		1		00072000	4 0450300	4 7638036	A 9814974	1 1384367	0.882414	_				0.8427872
1,0007441 1,00	orotein (PC3)	1,3210475	ı	1.1873313	0.9874322	1.0159358	1.2330030	0.3014374	0 91644657	2.2844381	-	1,4201248	1,505149	0.89540744	1.1763282
1,007444 1,070786 1,020740 0,02028 0	Phase-1 RCT-191	0.9662885	1.0116853	1.0668014	0.76249853	0.803/0/	4 225048	1 045057	0 9223254	1.047935	1,3231132	1.749409		1.1270219	0,979763
17085541 12025061 10252060 10202064 1020206 10202064 1020206 102020	Phase-1 RCT-63	1.1007444	1.1207895	1.0216151	1,3/243/2	1.1403047	4 4201998	1 0240033	0.9355209	12555785	1.2994993	1,3096448	1.4634931	0.9869545	1,0002898
1,270-1061 1,225-206 1,2	Cydin D3	1.7036254	1.638/421	1.0283204	1,5005053	0 5003156	0.6056577	0 77949864	0.8878148		0.69383323	0.6325417	0.90195554	0.76684994	0.98470724
1,2196901 1,229694 1,1207001 0,2596102 1,0596102 0,2596102 1,0596104 1,059	Phase-1 RCT-108	0.7159431	0.8272085	0.80376946	4 40005505	0.00001000	0.0076712	0 8692263	1.2640911	0,60352147	0.86709386	0.79520667	0.64200294	12095902	0.7220631
Comparison Com	Phase-1 RCT-56	1,3295865	1,000000	1 1670009	0.9750102	1 0812385	1,2161963	0.9826271	1.2457478	1,6057026	0.9698838	0.840027	0.97031945	0.9921316	1.0206/2/
Control Cont	Phase-1 RCT-192	1,000,000	1 223037300	0 0005637	0 93154573	0.9070368	0.9875463	0.985825	0.9916016	1.3885722	0.9898075	0.8976518	1.05/0154	0.00019327	0 0005450
Controlled Con	Phase-1 RCT-75	1,3/6/000	0 974401	0.81769526	0.8269611	0.8656976	1.1247956	0.9208205	0.8700843	0,9285855	1.189350	1.2015167	_	0.6987073	0 9091207
6759071 0.525564 1.002565 1.002565 1.002565 1.001565 1.001565 1.001565 1.001565 1.001565 1.001565 1.001565 1.001565 1.001565 1.001565 1.001565 1.00156 1.001565 1.001565 1.001565 1.001565 1.00156 1.001565 1.00156 1.0	Acety-CoA carboxylase	0 7934523	0.9284692	0.8216927	0.6967977	0.6626431	0.66373694	0.8901171	0,8398647	0.8978378	0.714126	0.6180928	_	1 0286946	1,0356857
1.19522919 1.120174 3.6622402 1.4477094 2.6523419 1.0003494 1.0104229 1.2007470 1.202504 1.202505 1.20	Present Col-60	0.7530071	0.82954353	1,0789165	0.94572407	0.97382754	1,001089	0.85876995	1,3513546	028280	0.770204	1 1023805	1,1171913	0.9914433	0.9915673
1,421276 1,92524 1,1202405 1,020252 1,440252 1,420252 1,440252 1,420252 1,440252 1,420252 1,440252	Phace-1 RCT-49	1,2325155	1,4077051	1,0566196	1.2930865	1.0019228	3.8708284	4 2000040	1.1209397	1 7952212	1.3067504	0.9253356	0.8880301	0.6733656	0.80321145
1,1421276 1,14421476 1,14441476 1,14	Phase-1 RCT-9	1.1852394	1.1203744	3.5822492	1.442/064	20234/30	4 4807644	1 0111365	1 0017478	1,3256884	1299626	1.342712	1,4850467	0.89521915	0.95782465
1,529.5514 1,240.29675 1,520.06655 1,520.0665 1	Gadd45	1.1421276	1.194195	1.4829520	76C97C0.1	0.9301052	0.6663117	0.7435297	0.8453557	0.86854964	0.6817534	0.6159702	0.95077485	0.71096754	0.90957433
15322311 1242212 1242231 1242232 1252223 1152223 1252223 1152223 1252223 115223 1252223 115223 1252223 115223 1252223 115223 1252223 115223 1252223 115223 1252223 115223 1252223 115223 1252223 1152223 1	Phase-1 RCT-156	0.78327.3	200505.0	COCCO F	0.70357340	1 008976	0.75778115	0.9250956	1.172045		0.738162	0.6892438	0.73866737	0.9588262	7925050
1,0000000 1,00000000 1,00000000 1,0000000 1,00000000 1,00000000 1,00000000 1,0000000 1,00000000	Cofilin	1.5925514	1.342937	1.0308037	1 1595663	1 1620669	12713389	1.08586	1.0188742	0.8818089	0.9067316	1.0234084	1.1685897	1.1069552	0.93000 v
1.175473 0.9162807 0.80636179 0.80636179 0.80636179 0.80636179 0.80636179 0.80636179 0.80636179 0.8063617 0.8063618	Phase-1 RCT-127	1.545094	100021	1 1593976	1.3769805	1,1824238	1,6834683	1.5444982	0,80255785	1.0252994	1,374456	1.1819836	1.78150/3	1,4/2/200	1 081783
1,122,065 1,1442199 1,091,0414 1,001,	Macrophage inflammatory protein-1 alpha	1.019090	0 919380	0.8431796	0.8983616	0.90586203		0.935887	0.9499076	1.3983254	1.465894	1.017847	1.060387	0.085607	0 8800001
1,589TE69 1,3409841 0,92511743 0,8540846 0,917429 0,1760849 0,917429 0,040949 0,917429 0,040949 0,917429 0,040949 0,917429 0,040949 0,917429 0,040949 0,917429 0,040949 0,917429 0,040949 0,917429 0,040949 0,917429 0,040949 0,917429 0,040949 0,917429 0,040949 0,917429 0,040949 0,917429 0,9	Zinc finger protein	1,122385	1.144219	9 1.0912490	1.0165731	-		1.0083344	1.05132	1,38682	0 0 0 0 0 0 0	1.37,2003	5 0 6593219	0.6890682	0.90765357
1,000000000000000000000000000000000000	Climating smithsteen	1.268755	1,340991	4 0.92511743	0.85406846	0.9724679	0.68638843	0.842947	1,04303	4 0760876	1 245700	1412514	1.4171153	0.99636266	0.8815243
1,200,456 1,253,958 0,145,574 1,055,058 1,05	C4b-binding protein	2.133342	1.820013	1.0165676	1.060791	1.181473	4 2077550	4 0755491	0.8410637	0.9280386	1.094132	1,338776	1,3238322	1.1202866	0.9795017
1,0556881 1,155828 0,1558289 1,1558289 0,1558299 0,1558289 0,155	Phase-1 RCT-242	1.208740	1.223843	8 0.870835	1.14124/4	1.045076	4 5344436	4 0905055	296250	1415412	1 349374	1.305295	1.3459699	1.1649827	1,0318154
1,4940594 1,325/351 1,1240954 1,1154274 1,1240954 1,14174 1,1240954 1,14174 1,1240954 1,14174 1,1240954 1,14174 1,1240954 1,14174 1,1240954 1,14174 1,14174 1,14175 1,14	Phase-1 RCT-50	1.056988	1.155192	0.985428	1.1359801	4	0 5405459	0.77237048	0 866458	0.7571660	5 0.7529838	0.775562	2 0.8246187	0.73506373	1.1449325
1,0535577 1,1053578 1,1053587 1,10	Elongation factor-1 alpha	1.494058	1.32873	1.125403	4 4502555	4	1 2601422	1 146219	0.9881820	1.459666	8 0.973536	1.002573	5 0.6802101	0.98868495	0.94505008
1,005,340 1,047	Integrin beta 1	1.053857	1.2018	100000	O BABBARA	0.984708	2 03 16253	0.8744268	1	1,143453	4 0.886429	1.041988	7 1.5095291	1.2988901	1.3528446
0.18622394 0.5319663 0.28656947 0.70240146 0.5891318 0.7133499 0.7183499 0.7183499 0.7183499 0.7183499 0.7183499 0.7183499 0.7183499 0.7183499 0.7183499 0.71856590 0.71856580 0.71856580 0.71856580 0.71856580 0.7185629 0.71856580 0.71856580 0.71856580 0.71856580 0.7185629 0.71856580 0.71856780 0.71	Insultn-Tike growth factor binding protein 5	1,030346	1.043212	1 057074	1 0216776	1.15686	0.81341976	1.1321657	0.8170743	3 0.857128	1215004	1.070135	1.1085469	1.1522045	0 0725808
12814543 0.5027956 1.178592 0.67505071 1.255258 0.755259 0.7552	Phase-1 RCT-59	D 5852239	0 831906	3 0.878658	0.68556947	0.70240146	5 0.6381336	6 0.7133495	0.788620	0.717789	2 0.6486909	0.300133	0.04024020	0.7656556	0.9096405
1.3416596 1.2059558 1.2004808 0.94414055 1.1050508 1.1050508 1.20509518 1.2050508 0.5450508 0.5460508 0.	Mase-1 KC1-70	1 281494	3 0.933796	1.17869	2 0.6758007	1.292565	8 0.78948003	3 0.95091486	124033	0.605314	0.001170	9 0 6547873	0.550172	0 78805983	1.0251862
Control Cont	Ferran Polan	1.341659	1,225955	8 1,200483	8 0.9491486	Щ	3 0.7671002	0.9325837	1.136754	0.9831984	E 0 6840913	0.65829	8 0.6415313	1,0689006	0.97266984
0.0202764 1.0320685 0.74497 1.1898371 0 84.027 198 1.0206 1.189828 1.0544091 1.189828 1.0542085 1.0542085 1.0542085 1.0542085 1.0542085 1.0542085 1.0542085 1.0542085 1.0542085 1.0542077 1.101407 1.0298081 1.1590858 1.0542077 1.101407 1.0298081 1.1590858 1.0542077 1.101407 1.0298081 1.1590858 1.0542077 1.101407 1.0298081 1.1590858 1.0542077 1.101407 1.0298081 1.1590858 1.1590858 1.0542077 1.101407 1.0298081 1.1290888 1.1298888 1.1590888 1.1590888 1.0540888 1.0540888 1.0540888 1.1590888	PTEN/MAC1	0.8823250	5 0.962703	2 1,030306	3 1.040198	3 0.9512638	137775	1.246//2	4 245824	1 165148	6 1 2 10937	1 0.890619	4 0.9916065	0.87396868	0.88118175
0.020679 0.0206965 1.200347 0.0071000000000000000000000000000000000	Phase-1 RCT-214	0.788508	9 0.90149	1.183612	7 0.84537190	1.00/816	1.1540/2/	0.96168774	1 0 9808385	0.7428868	6 1.054409	120	6 1,2138696	1.4567082	0.96768403
1,082362 1,041761 0,74659224 0,0569594 0 0,76109703 0,0111544 1,17781156 1,3751659 0 0,92570436 1,14447	Phase-1 RCT-112	0.820275	1.032065	0.782010	7 1.010003	1 134817	1 95167	1.306710	0.9717808	1.034292	5 0.9720077	5 1.10140	7 1.0296001	1.1940833	1,021/84/
0.7516924 0.75169324 0.75169675 0.75169675 0.751659 0.757696	Thymidylate synthase	1.062969	0.920690	1.21034	4 445140	0 833006	1317012	1.2575078	9 0.60443	9 0.5862829	7 0.567706	5 0.674634	1,470165	0.72298914	4 0068743
0.76108703 0.81111544 1.1778115 1.3751669 0	Phase-1 RCT-13	0.7765033	A 0 8569597	4 0 6479460	1.138693	1.318169	5 0.746177;	1.080983	5 0.9666242	1,145036	7 1,303461	3 1,006254	7 0.8269136	0.000000	1 12/8/75
1.1778115 1.3751669 0	Nucleosome assembly protein	0.7810870	0.811115	1,122933	5 1.849125	5 1.098288	2 2050965	3 1,25073	3 0.9713133	6 0.5313051	3 1.420254	1.772050	1 202307	1 4904813	1 0003312
0.92570436 1,114417	Chalesterol / appra-hydroxyrase (F450 Vil)	1.177811	5 1.375166	3 0.8571260	6 1.263120	9 0.89536	1.397601	7 0.92979646	1.054814	2 0.90863	1,35462	0 0 0001411	4 0 9456384	1 0428423	0.9673759
	Vesicular monoamne transporter (vivini)	0.9257043	1 1144	7 0.740761	1,108302	6 0.891027	4 1.186060	4 0.942473	6 0.7375952	61 0.7945/20	1.0851	0.5331411	4 Construct		

										0000000	1000000	4 2021246	0.9902014	1776532
Phases 1 RCT-32	1.196748	1,2395159	1.1968712	1.0323776	1.0010873	.0014746	1.6703871	0.978622	1.00/5/28	4 377554	1 6061254	1 6044757	1 0685915	1.0437866
Peroxisome assembly factor 1	1.1720934	1.284778	12780943	1.159461	1.087668	38/0/84	1.1424230	1.000010	06971244	94875395	1.1443964	1.1886595	1,2205598	1,0434943
8-exequantine DNA glycosylese	0.95274734	0.9175338	1.1316018	1,1515138	1.0451355	4 500504	04204046	0 9070449	70058945	79524326	1.1746652	0,9143178	0,9536931	0.9198092
Phase-1 RCT-82	0.894482	0.9890084	0.9084721	1.1050645 0	34/56/56	1.523524 0	053513860	91904116	1.3078	1.1695626	1,1144628 0	5.73920393	91226023	1.1693479
Matrin F/G	0.65920365	0.70019627	0.9066759	1.0014903	1.0039330 U	700001	n Ramaeso	1 0182472	1 2265077	12113022	1.159009	1.1020753	35385015	0.961929
Phase-1 RCT-184	0.9517713	1.0691445	0.5680201	0.000000	O PONTINGE	670424B	81319165	0.995487	85859348	1.69625527	0.5320558	0.5888459	0.91663975	0.8917335
Phase-1 RCT-168	0.5943256	0.65/5439	0.8290131	0.0000320	0 9386873 0	72033966	0 8453419 0.970924	97092485	0.8009432	1.0736276	0.9853802	0.94830525 (37988474	1.2690235
Phase-1 RCT-119	0.9636337	0.90340003	4 AOSB408	1 02703241	1 085626	1 0011479	1,2096635	1.0305678	2.6363752	2.1260624	1.8253036	1.4875805	1.2847074	1.0058216
Carbonic antrydrase II	0.7000000	0.3223433 0.86975765	1 2023127	0 9357161	0.8899578	0.6824432	0.8118462	1.1462892	24542472	2.410999	1.42548	1,5242419	1.056615	1,071,01
Tryplophan hydroxylase	1 2201664	1.4817358	0.9674234	1.0929259	0.996393	1262195	1.0176653	0.9243626	12538561	1,320946	1.2090969	1,0166316	0.05041600	4 2473044
Phase-1 RCI-/1	1 7791123	1 8047799	1.2418946	1.033681	1.0984774	1.0714421	1.1396568	1.1858338	1.1373905	3,87163174	0.8263084	CZSPACIETI	0.00203030	15377537
Phase-1 KCI-178	0.6434246	0.57478046	0,7021921	0.8276614	0.959707	1.1610465	0.9934688	0.9541333	2,1768107	1,7720755	1.8269267	4 2007774	1 055736	1 1944637
Dhock 4 DOT 207	1.1171297	1.1462348	0.96182567	0.9608116	1.0585532	1,2188716	1.3824451	0.8919919	1.3036.05	12303/0/	1 0344570	4 2627R19	0 9249013	1.0280219
Prisses RCI-207	1.1637335	1,4817443	1.0024972	1,0251063	97833286	1.3141469	0.9733074	0.9406199	0.7486181	0.751201	1,034,503	0 0236501	0 8521106	1.1730174
PIRSON NOT 225	0.80920464	0.8623826	1,2118	0.83400285	3.82049024	0.877703 0	71954143	0.7711036	0.5056119	1000000	0.72410073	7000000	1 0052/30	0.952735
Priese-1 RO 1-223	0 9480705	0.7624569	1.0371982	0.90428233	1.0464361	0.9438023	1.047321	0.8860287	1.0001858	0.71475154	CI CCCOCK I	4 4200004	4 2804E38	1 104685
Cytodrome results	0.7812493	1,1784389	0.9860014	0.9640462	0.8951258	1.1923246	0.9967165	1.0135331	1.1734383	1.1/54112	1.12/4303	1.4000004	4 0204775	0 9416493
Thiosphysia (Try)	1.3072066	1.3707068	1.3778244	1.1798495	1,199383	1.0892138	1.11131	1.5/61049	0.7254774	4 4542044	1 5877643	0 5416368	0.5530762	.49675444
Carbonic apportuse #1	0.44719073	0.3804785	0.67142665	0.5746476	1.1296297	0.7115365	12608541	0.9141/39	1,8004554	4 000005	CTUCO900 0	1 1250827	1.0011133	1,117954
Phase-1 RCT-140	1.0263013	1.0326846	0.9440629	0.91555214	1.0717598	1.2902102	1.1363649	1,0262630	1.03/ /033	0.5747736B	0.48129255	0.4032165	0.8061169	0.7964027
Compenent component C3	1.5846885	1.3121742	1.2153177	1.2310473	0.93346614	0.6524346	0.8518231	7002/1870	O KANDASS	0 8398178	1 1654927	1 2534503	1.3458538	0.9393693
Ghodinase	0.576179	0.5008628	0.8115969	0.7652976	0.9040308	1.1316848	0.6982335	0.04303234	0.3003430	0 85145396	0.8199236	0.90749085	0.9067567	1.0585453
Phase-1 RCT-173	0.84384745	0.8187312	0.923914	0.89724284	0.9433018	1.0603192	1.3/04230	4 0301342	1 5629615	1 5572938	1,774098	1,967946	0.97945935	1.0602106
3-methyladenine DNA glycosylase	0.93799484	0.9851928	0.905478	0.8672546	0.9346587	1.07.2510	1.0001000	4 0063387	2 671572	1.4174465	0.8539686	0.91678786	0.94813716	1.0296814
Peroxisomal multifunctional enzyme type II	1,4941648	1.2578622	0.9002509	0.84650165	0.9376046	0.02000	0.007,0034	4 0105500	73389417	0 7201094	0.6242553	0.5044735	0.91579956	79041123
Phase-1 RCT-40	1.0697123	0.9016268	1.0200598	0.87515277	0.9752767	0.826507	4 0050399	4 4406283	0.65546507	0.65838194	0.37756655	0.41927826	0.7915637	65232724
Senescence marker protein-30	1.0624695	1.1177529	1.033622	4 4400634	1,0104600	1 2510049	11777731	0.9719053	1,3298053	1,4268534	1.4572672	1,4812899	1.2407701	97826734
Cyclin G	1,5388043	1.7.348007	1 1226124	1 0491755	1.0089228	1.1242079	0.9229324	1,0268782	0.7845197	0.8658594	0.9768584	0.713054	0.74852914	1.0081222
Melanoma-associated antigen ME491	1,0040700	4 0745033	1 0300315	1 288484	1.0785778	1,49156	1.1396567	1,0065	1.0927718	1.3638692	1.4654859	1,3635502	1.0711632	00000000
Phase-1 RCT-28	1 1839305	10158272	1.0136006	1.0416571	1.0754925	1.1337421	1.2379216	0.923813	1,3782345	12376901	12277554	50555	0.300,000	A DE4744
A tested debuggerences 1	0.54086673	0.71832263	0.84829146	0.9361303	0.8048772	0.792009	0.76393175	0.5365834	0.55302	0.6086845	0.050/2300	0.4/3/12/2	0.99827945	1 1105206
Stem cell factor	0.95012367	0.9443725	0.98259085	1.0026604	1.134728	0.9799763	1.0488839	0.9216944	0 6604040	0.7622422	0.71236175	0 65491164	1,3489168	1.0092739
JNK1 stress activated protein idnase	0.74436325	0.72786355	1.0379341	1.1444161	130/1123	1.2132039	1,1030301	0.001000	0 669599	0 90961814	13172531	1.0813941	1,0890313	0.9530877
Protein tyrosine phosphatase alpha	0.9202406	1.0529279	1.0659156	1.4686	0.71705063	1.0002183	0.107 1433	0 9853105	0.7975545	1.0717057	12100164	1.0754652	1.1051395	0.9038169
Phase-1 RCT-55	0.7700851	0.959801	1.1/88/5/	0.8124034	4 0003000	0.0283700	1 1322113	1.1181896	0,84588486	0.8843935	0.70367736	0.7591782	1,0174246	1.2058126
Ubiquitin conjugating enzyme (RAD 6 homologue)	1.8207493	1.965/63	1.03/4839	1 2200485	0 92843837	0.6882712	0.8547917	0,97888726	1,4643803	1,2968099	0.67759734	0.85947657	0,8932182	0.85083973
DNA topoisomerase 1	1,3205049	4 4530707	4 0042852	D 99700654	1 1283395	0.7555603	1.150006	0.9255565	1.0574163	1.281224	1.062188	0.8495334	0.96060073	0.98251903
Phase-1 RCT-280	1.1390301	4 2753716	1 5496134	1 1650572	1 0460523	1.2479638	1.092292	1238414	0.9719535	0.8542314	1.1019026	1,0536046	0.9603038	1.069/415
Supercode dismutase Mn	1.1323972	1.4558687	1,6597817	0.6938647	0.95491934	1.4322449	0.855743	1.0843277	2.4807625	1.4334477	1,4266701	1,5809357	0 7367352	1 5717761
Codemy observation controles	1,2666823	1.0474153	0.9817757	0.85128003	0.9835329	0.6572129	0.8838134	0.80819803	0.81545776	0.8789779	0.77073	4 4608469	1 1350591	1 1444974
Disaddoneral Idrase zela	1.1257343	1.046247	1.2075458	1,2100041	1.0493455	1.4097192	1.0958318	1.0032585	1.1203220	0.73013/13	1 2413001	13170941	1.2523855	0.96854275
Phase-1 RCT-141	4.2165384	3,357,1503	1.1013635	1.2968721	1.1013031	1.1835805	1.0627423	1,0204140	2 3555444	1 5731218	1,1701683	1,3829998	1.0083851	1.0822741
14-3-3 zeta	1.2669055	1.3241378	1.0677041	0.77692646	0.98730363	1.261183	7001005	0.84572026	0.9065322	0.82987344	1.0734981	0.75903887	0.71310014	0.81371474
Gamma-ectin, cytoplasmic	0.7665725	0.9524601	1.4883211	0.68600947	0.0922000	1 1315813	1 0419748	1.0440089	0.86150676	0.7143555	0.69087005	0.9789132	0.72764415	1.2446029
Ribosomal protein L13A	1.335057.3	1,37,901,201	1,4203026 1,4203020	0.377389614	0.93182427	0.76314896	0.7595571	0.8209511	0,52919585	0.59128666	0.73351866	0,5768163	0.8943148	0.9208458
IKB-a	0.00103104	1 0556046	0 8392362	0.8631613	0,81101995	0.88137865	0.86766535	1.0266972	2.0425692	1.62572	1.7619651	1.7665886	1.0035015	1.195150/
Phase-1 RCI-to	0.831391	0.9622765	1,1030993	1,0034012	0.97752243	1.085403	0.9638383	0.88206327	1,3901203	1.1260499	1,3708405	1,3204300	1.024/885	A FATDARS
C-fun Profeio O-mannos dirensferase 1 (Pornt1)	1,361675	1.4918815	1.171592	0.78659755	1,0958657	0.98909175	0.99893355	0.8848883	3,227019	1.9185466	2 6569106	1 913894	12121898	0.88870287
HMG CoA reductase	0.722045	0.78004428	0.9704733	1.0206734	1.1067373	1.1613/53	1.9405884	1,0900073	1 6083081	1 4403833	1.4140666	1,69667	0.9438453	1,0803577
Phase-1 RCT-12	12324196	1,3798954	1.3399527	0.7739172	0.9285851	514007UL	0.0123023	1,000001	100000	2				
Interferon related developmental regulator IFRD1	4 020475	4 6405440	0.05724355	1 1390474	0.99359494	1.0385746	0.93579304	0.8920229	0,6920494	0.7604014	0.7968494	0.97789127	0.9150389	1,0806734
(PC4)	2 18740	1 8448182	2.148626	1.5532045	12219608	12796454	1.4673337	1.3319851	0.4436188	0.59903634	0.551488	0.6459256	0.7616713	0.7145300
Giumsereguated protein (o	1.182856	1.0886662	1,311926	1.130972	1.3011721	0.99527705	12317649	1,3482411	2,312,9058	2.0049672	1,8031/85	0.0646474	1 0759934	1.057368
Cachaca 6	1.022467	3 0.9511649	1.0793415	1.0975618	1.1483971	12365146	1.0581696	1 04470	0.9594/6/3	1 0753379	1 061102	1 0749852	1.3529398	0.8543268
Phase-1 RCT-169	0.901546	1.3461344	0.86368755	0.93211746	0.800895/	78785000	1.0173031	0.96123606	0.76381505	0,79416156	0.99200726	1.089026	0.98140675	1.1559854
Phase-1 RCT-197	1.131418	1.3803396	0.91325414	1.03/532/	4 0004040	0.9000101	0.90509	0 9353842	0.7944045	0.8206962	0.96687853	0,70830333	0.9653375	0.9110316
Phase-1 RCT-34	0.7194655	1 0.0009422	1,0032331	0.337.3101	1,000,1010	Aurent Co.								

												1 200000	, leadens,	0796303
Phoen-1 BCT.77	0.88178915	1.1665903	0.82995665	1.0890157 0	.82763726	1 2357693	1.0064553	1.0093513 0	.86269385	0220395	1,0221149	0.305333	0007000	2120198
Punyate kinase, musde	1.0164696	1.0807217	1.1199754 (.91934806	1.0489587 0	98268217	0.9473725 0	4 26 7 22	1.554601	200907	4792265 0	47489814	1.0443494	1076382
Phase-1 RCT-288	0.6221221	0.5853893	1,0639063	0.8672704	1.0884967	0.8407424	1.1903017	70770	0.012840	1904176	1 3737485	1.267048	1.144705410	94294568
Phase-1 RCT-90	0.8783744	1.0004029	0.82886374	12441735	0.8/85656		0.3641750	0331300	4 0635947	27000104	0.4522712	0.4504141	0.9873948	9211602
Cylochrome P450 2C39 (attenuate clone 2)	1.2475604	0.9990629	1.6211866	1.1976819	0.7696134	0.64629763 0	0.55565483	17,000	1.003301	25,400,07	4 4564867	1 613401	1 0670385	1837245
Phase-1 RCT-290	1.2936624	1.0978901	0.7903579	0.7439342	0.9372689	941/188.0	0.8436114	93303134	9 494466	2 0803177	2 708081	2 8223045	-	.1465669
Phase-1 RCT-261	1.4311291	1.3009963	0.81877124	0.9171408	0.9123925	1.0343334	0.50000340	0.304000	1 003-8533	10741146	6739803	0.5416157	0.6449277 0.	94448435
Methylacyl-CoA racemase alpha	1.7391293	1.3776491	1.0846016	0.94531/75	1.00043/3	- 4 -	1	200705	0.25800032	0 ARS1908	1 1429617	0.9418945	1,3489306	.9731112
Cytochrome P450 1A2	0.96348375	0.74723446	1.177856	0.9886751	0.928969	1.3484Ub U	4 48482057	1 1156R94	20004	0.73617285	0,8848911	1.0014313	1,1865543	78290797
Phase-1 RCT-297	0.93321806	0.8722348	1.0020881	1.1200033	1 2200027	0.84272847	0 9374305	1 0903981	0.6116194	0.7033744 0	.52374965	0.5448769	1.1327671	.1269332
Monoamine oxidase B	0.9501931	0.650//3	1.04/0203	0.0860216	1 22305.62	1287	0 9567675	1.6942992	304445	0.9095657	0.5112794	0.4838879	0.649886	0.6207746
Phase-1 RCT-264	0.9963/33	0 724 5056	0.0544801	1 1842091	1 0346949	2 1819718	1,0971878	98040694	1.2769954	1.1746961	1.4618249	1.764595	1.3267925	2063422
Peroxisome proliferator activated receptor garrina	0.72405314	100000	10000000	91805205	PACHEART S	3	0.90020937	12731787	1,1700196	0.997616 0	.90648396	0.8335342 0	0.92145365	3.8774031
Phase-1 RCT-143	1,222/01	1.1932334	0.3/44234	0.0100000	0 8046421	Y	77134216	0.9997836	0.7495904	0.8200268	0.6632475	0.8076551	0.8639171	1.113442
Phase-1 RCT-251	0.59282/04	0.9323079	4 2406325	4 4481583	1 227897R	1272127	10255544	0.96402395	0.9885927	1.0307813	0.969515	0.8823412	1,0937581	1,085489
Phase-1 RCT-117	0.3330481	0.70357046	0 012066	0.72079Q4	1 0383465	10064765	12923552	1,033243	0.8625267	1,0028224	0.7656607	1.1136286	1,031333	0.9307592
Cluathone S-transferase theta-1	1 1753B	4 16640R2	1 1994274	0.9815319	1.0497767	1,1040308	12446243	1.2416128	0.89142483	0.8538144	75136435	0.7277174	0.8735297	1.0175047
Phase-1 KCI-91	0.77G707R	0 77594006	0.90472	0.8801826	3,84978676	0.831676 0	97785497	0.89127904	1.01414	0.9903078	0.9328026 0	82230204	91513026	1.1918436
7 1880-1 KC 1-140	1 0991825	1.0400456	1.1459318	0.90365636	0.9856273	0.91829187	0.9738154	1.2601588	0,71797585 (.64008003	5/644385	0.5881507	353/35	1.010000
Phase-1 RCI-142	0.8943711	0.9053154	0.90694565	1.0722688	1.11857	1.3152018	1.4922833	3,87045885	1,337465	1,3113956	1.1069573	1.3744705	1.1191082	4 202406
Adum receptor type ii	1 3384199	0.89155835	0.6944831	0.53447956	0.89732295	0.6799791	0.7596514	0.71087736	1.3035159	1.1379246	167715430	1.08/3455	007/200	1,302,400
Cayone mediyili answerese	0.7601332	0.8225954	1.0815958	0.83616805	0.67195815	0.64394367	0.6812071	0.9446906	0.9744575	0.8205588	0.6/99019	32223470	4 4044040	1,0003/03 4 0555/44
Citation and market frequen	1.0577898	1,1023365	1,3077258	1.2042325	0.97785074	1.2746613	1.0324135	1.0354201	0.5461301	0.8107296	0.65563386	1100001	1.194993	1.0000
Gan kinedien membrane channel contein beta 1 (Gibt)										-	20000	0 7057863	ACE0324	1 0878685
	0.6204586	0.61673665	0.89033794	0.5934103	0.7567095	0.6117081	0.7428419	0.80244994	0.9821014	0.6392431	0.3/003/3	0.030333	1 0805261	9790686
Dhose 1 BCT AR	1,010259	1.0828646	0.8237396	0.93976915	1.0146397	1.0949527	13396852	0.92919785	0.6363600	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.0410020	0.000000	101712214	8747978
Disco t DCT 207	1 1337279	1.1347337	0.9354578	0.8113872	0.8973974	0.92608523	0.8938855	1,0203444	0.78565025	U.72/U3/4	0.0312300	4,7023/3#	0707070	4 0742252
Define Linding senter (DDD)	1 2832732	1.0953536	0.9483587	0.82869726	1.0527381	0.71824104	0.9022407	1,342014	0.8130544	28637047	P. 10001.0	7.49307.143	00000000	4 266012
West land shall need from southerson	1 0328757	0.83583206	0.8861569	0.81953454	0.81214845	5 0.53166157	0.77506703	0.88706434	0.72815405	0.5251846	749287507	0.3022017	0.00000	0 0440648
Very long-draint acyn-cur syndrouses	0.88878954	0.79600453	1,0295068	0.85622667	0.8359126	0.7163147	0.956479	0.8685707	1.0248118	0.9331822	3100406	1.56023633	0.0040627	4 0474790
Symplectic	1 0057565	1.0194391	0.9971336	1.1034007	1,0333687	1.140017	1.2776341	1.1130531	1.1727618	0.93535/1	7.8080527	1.1076201	4 0607484	1 0070036
Charles & Dor 44E	1 5621687	1,6997797	1.1072333	1,1019106	1,0035381	1.111526	1,3219424	12190068	1.1806B7	1.062/121	7,019/92	1.1103200	1000/101	A 0000 1
A-L-	0.88256806	0.83918387	0.9537692	0.95669484	0.990877	1.0639099	0.9029596	0.8967214	0.7468399	0.6320049	1.78232137	2300000	* 0607047	1 0530838
Phone 1 Der 90	0.80155337	0.8000788	0.92291	0.99635154	0.95422924	0.92218167	0.90916216	0.86748874	1.0870154	98561186	COOPERATO	0.700230	1.000/01/4	10305804
Phase-1 RC1-03	1 0287525	1.1406034	0.93463403	1,2284557	1.196705	1.2235627	1,201415	0.9438598	0.4513507	0.6402129	0.5615394	charary.	1.2220005	4 2054670
Saropiasmic religioning Cardini A Frase	4 4572407	1.5766407	1.1387395	1.2709306	1.2446979	1.0256999	1.1155715	1.0054308	0.96776205	1.1435027	1.1852075	1.1855501	200000	1,000,000
Appra-2-macroground, sequence 2	1 277 4928	1 2162837	0.9422561	1.0262543	0.9891626	1.0815848	0.9683682	1,0224518	1.1951008	1.0011208	1.1851948	00000	0.000000	1,0001007
Figse-1 Rul - 204	1 0931413	1.0874077	1.0679599	0.8514126	1.0134132	0.9887549	0.9094096	0.82311404	12621864	0.97181834	0.9210026	1.3802//3	0.70323007	1.0200
MADD decodoral isocitate debutmonasea Orinsolic										-	0070070	0,700,00	00000000	0 7484464
NALIT - dependent isom are denydrogomen, or	0.6837982	0.7140889	1.1624864	0.821252	0.9701836	0.88232315	0.91855097	1,3085232	1.3085232 0.84224707	0.7923732	0.5453488	4 2024220	0.3036233	99678927
DNA binding protein inhibitor ID2	0.9288424	1,366376	1,0805817	0.69787824	0.83381546	0.57458854	0.7641444	1.4522825	0.06250833	87048	0 84828757	33258826	0.7382335	0.7283374
Gutathione S-transferase Ya	0.54594815	0.54214567	1.0527972	0.9580031	1,7559915	1.1/012/5	1.16/8823	1,73/3000	0.0011000 0.002	Sense	0.381308	0 9060351	1.1555454	59386224
Epoxide hydrolasa	0.8207506	0.8826636	0.86258787	1.0191725	1.0286249	1.8390343	1.37.3045/	1.1441133	2 0.33201 32 2 0 73850005	O KT496R34	0.5732747	0.5214069	0.54833496	3,85405374
Insufin-like growth factor I	0.984218	1.0492364	1.0274665	0.873/1683	1.0656692	200002	4 002433014	0.00000	2 5643847	1 9438384	12646616	2.0416243	1.1197401	1.3643137
Prostaglandin H synthase	1.5277859	1,2286509	0.9099794	0.7503524	0.82033040	0.01/00/00	0001 1000	O RESIDENCE	1 005383	0 9449812	0.7741156 0.768	362085	0.94363968	1.07318
Phase-1 RCT-136	0.85764354	0.91057557	0.82914583	0.61730694	4 0004432	2355362	0 96643643	1 569778	569778 0.86533583	0.66002226	0.5082182	0.4908024	0.9062723	0.80630875
Phase-1 RCT-137	1.0704565	70700000	1.1007423	0.9727114	0.8993281	0.8666572	0.8638112	1.0505403	1.1320089	1.1008525	1.0219905	0.99084395	0.9891994	1.0551516
Phase-1 RCT-138	0.8487079	0.7596442	1.0055487	0.9143451	0.8166709	0.80543876	1.12188	1.0122585	0.58254816	0.5355666	0.28474924	0.37582532	0.6376383	0.70973796
Hepauc lipase	0013430	0,08080	1 0918155	0.9815035	1.1987848	7966386.0	1,0889962	1.0543857	1.0984997	1.2179132	10163933	0.99526554	1.0049250	C120007
Phase-1 RCI-164	4 1745530	0.87129533	1 0047151	1.0610383	12259032	0.84456146	1.1980251	1.1390353	0.75762016	0.7235252	0.72458196	0.7282342	0.85112864	1.029/29
Ach-CoA denydrogenase, medium chain	0 94567117	0.86145455	0.8214922	0.B6883086	1,1082133	55	0.90325713	1,9169461	3,3820217	2.528285	1,5586019	1,3793544	0.8692621	1,100017
Contractions of central assertion and automatic	0.80991477	0.87253124	0.9947699	1,1740761	1.0801897	1,371407	1.294014	1.0039303	0.99177206	1.0427238	1.074133	1.7323285	1.30338/2	1 00541813
Phase-1 RCT-166	1.1405771	1.0588887	0.98207545	906888880	1.0365738	0.7314058	1.0180671	1.1476954	22498784	1.800292	1223/333	0 91580180	0 74196047	0 89132726
Andioportien E	0.91438526	0.85536826	0.71840024	0.6279226	0.9342803	0.41614106	0.732436	0.6873147	0.35605516	0.35140740	0.20203014	0.65R17946	1 1390909	0.8804725
UDP-ducuronos/finansferase	0.7007168	1.0056233	0.8422523	1.063907	0.8916106	0.70193934	1.0380206	1.162/194	0.0070220	78746575	O GDA48T24	0 8263782	1.176437	0.9504695
Glutathione S-transferase P1	0.6766403	0.61648035	0.9627651	1.0114561	0.8730045	1.4027	1 0743602	1.1019303	0.0074243	1 1082966	1.1616414	1.3037026	0.87854457	1.1882592
Disultide isomerase related protein (ERp72)	1.9445119	1,565007	1,76,22/65	0.9631934	1.155505/	0 75604	0.0774165	0 97082365	1.1665758	1,1485293	8977960	0.9823221	0.9916412	0.9751556
Ribosomal protein L13	0.984004	4 606E246	1.1563163 1.1564658	1 2804669	12142787	1.0066546	0.8808768	1,1098163	0.4691427	0.80075265	0.37790003	0.57422626	1.1780355	0.9620667
Ceruloplasmin	2 983353	2,1706	12998286	1.1148252	1,2290258	0.8768166	0.8250376	0.93055683	3,3591754	1,8393931	0,6483251	0.925023731	0.84130484	0.9568135
Inter-atcha-innoice N4 neavy cram (Illine)	***************************************													

	0,0000	100045000	900000	1000000	4 4705077	4 20400	4 4557049	4 0070705	1 0074007	4 9745974	4 9535464	4 9400007	4 2045050	0.0437433
Cotton belo (Cot.b)	5861795	1 2710481	0.86733973	0.9063616	0.960382 0	74328774	1 0043999	1,1049209	1.8862156	1.1892375	1.040388	0.8614231	0.8006762	1.1746968
3-hydroxysobutyrate dehydrocenase	1.1994882	0.994763	0.9869299	0.9424628	1.2673054	0.82807 0	0 71583170	.98592085	0.7106547	3,67901134	0.74650896	0.6618019	1.0789093	1.029414
Carbonic antivorase III. sequence 2	1.0480992	0.8112067	0.6629288 L	0.82660425	0.7926325 0	.86587334	0.8977589	0.9813849	0.7973937	0.4417522	0.3769428	0.38515514	0.56224644	1.2693313
Phase-1 RCT-10	0.99079128	0.9721633	0.7238866	0.8463626 0	.82497585	0.6209393 0	.85304236	0.9626663	1.0351173	3,89263165	0.5955931	0.7186185	0.9252141	1.0559489
Alpha-2-microglobulin	1.1972188	1.2733682	0.5917455	1,0528368	1.867193 0	.64461935	1.2547137	2.228794 (73378235	1,69278336	0.68862428	0.81760414	0.9430013	1.2377881
Dynamin-1 (D100)	0.870887	0.7440785	0.89136964	0.9850886	1.0233214	1.1000794	0.9951003 0	99918586	1.0059719	0.8502668	0.9462401	0.6237178	1.05.2588	1,0060377
Lysyl oxidese	0.9272833	0.80697036	0.92745984	1.0060426	1.1445642	1.3626126	1.421/349	1.3423646	1.2333364	1.3452204	2040004	0.//341/0	0030000	4 4567720
Phase-1 RCT-252	1,0294024	4 248336	1.953/28/6	0.6393211	1 0047500	1 255320R	4 0646789	0.0307427	1 6393244	1 8579334	1 636363	1 9039481	0 99930936	1.0572442
Dhae 1 Of 1.23	1 107981	1 0850236	1 2562184	1 1058545	1 2621479	0.845882 0	0.86364144 0	0.89674336	1,1477011	0.94639176	0.8807977	1,313271	1.20498	1,0596265
Phase-1 RCT-42	0.8761552	0.9546997	0.89903516	0.8866662	0.9218614	0.8418951	06374	1.0170534	1.392701	1275175	1.0949591	1,3643599	1,0211899	1.0219755
Phase-1 RCT-25	1,0442483	1.0155623	1.2066897	97 0.91800475	1.0639038	1.0803107 0	0.99031687	0.9814284	1.1937838	1,0111612	1	0.97033143	0.9885837	.96950865
Cytochrome P450 2C11	0.95608276	0.94225067	0.9048261	1.2593966	1.1425861	1.7761021	1.1536602	1.0523443	0.532045	1,2386189	2,453934	1.6299872	2.1410809	0.9434661
Phase-1 RCT-202	1.143353	1.0163833	0.91437405	538	1.0630134 C	.85614896	0.9520755	1,3774829	1.6039478	1.279751	1.0812607	0.83852190	0.9467333	1.103494
Complement factor I (CFI)	1.5664335	1,3146269	0.8525588	0.8802399 0	0.96083534 0	1.78245884	0.7930566	1.1879551	1.2999147	1.0846825	0.78235024	0.7868661	0.99776083	0.9919547
Proliferating cell nuclear antigen gene	0.75712305	0.8173716	1.1574932	2	1,0080376	1.4032357	1.1798093	1.075755	0.5614929	0.7162985	1.4706718	1.3428392	12230747	99602684
Activating transcription factor 3	0.7273536	0.75692433	0.9305249	1.0590037	0.89642483	0.8424462	1.2477546	0.9785423	1.4580142	1,898293	1.2958541	206/6463	1.380/646	1.14/2831
Focal adhesion kinase (pp125FAK)	1.1322945	1.2997657	0.98465806	12/16358	0.8947648	1.6139585	1,055058	Ş١	4 446050 C	1,000,000,	PERSON L	0.8045/9	1.0249329	4 2051282
Phese-1 RCT-289	0.759639	4 0756305	1.0079781	1 Server	1.140000	4 2476444	90000000	1.019051	1.1103321	0 04304244	1 1157645	1 2180538	1 1445973	7002850
Phase-1 RCT-259	1.1049412	1.0/00352	1.146/0/3	1817641	1010800.1	1.31/0111	0.343,300	4 0405526	1.0223031	0.81301244	0.777066	0 8059578	0 84378844	O RRAGROG
Iron-responsive element-binding protein	0.865.35585	1.856383	1 2005024	85189777	1 1188118	1 0844019	4 0027R51	1 0012399	2 6169622	2 57511	2 2506177	2.8960742	0.9573503	1.4316681
And entitlementaries	O GARGAAA	0 63187784	10547144	88829076	1 4211384 6	187344694	0.9550162	1.253654	54 0.47545376	0.6565176	0.57084644	0.4930193	1.3112489	1,0404302
Dhoead DCT-174	0.87751216	0.8574052	0.931428	1,1144823	1.0171254	1.1991775	1.0150373	1,0249612	1704	0,77987465	0.7449465	0.6785654	0.9653562	0.9287272
Phase-1 RCT-83	0.8636268	0.965602	0.89356625 (1,90526503	1,0004385	1.0679675	0.9676369	0.9361819	1,88273853	0.7894876	0.74596083	0.65933913	1,7087405	.78840786
Phase-1 RCT-270	0.6479213	0.5758236	0.8027597	0.861032	3.82503766	0.6976289 0	.83980745	0.8747118	0.896094	0.84470594	0.79326516	0.78453004	0.7997179	0.8431378
Colony-stimulating factor-1	1,1115118	0.89109963	0.9347219	0.75017244 0	3.81351894	0.7541199	0.7960042 (1.97554785	0.7590208	0.6691073	0.606208	0,6778799	0.8646786	1.0116065
N-cadherin	0.97945287	0.9403939	1.0284653	0.973636	0.9536711	1.0003409	1.1026745 (1.85068524	1,5833191	1.0258751	0.79036725	0.8648141	0.9987034	0.9768661
Phase-1 RCT-62	0.8050627	0.8370715	0.9164747	0.92084926	0.9786613	1.0543016	0.9257178	1.019127	7.56591576	0.70005417	0.7761086	0.693507	0.936148	0.9301151
Phase-1 RCT-22	1.0413553	0.98880327	0.9556806	0.8448888	0.9608334	0.9122591	1.1318725 (3.92191637	0.5902766	0.64891684	0.60306287	0.7817335	0.9913258	1.0870993
AT-3	0.9543639	1.0331197	0.9963478	1.0832655	0.91440487	1.429/458 C	97477657	1.1775/64	1.1092832	1.1518599	1 0555774	1 00305050	1 28/00/20	A DIORNOCE
Phase-1 RCT-18	0.879046	0.93483317	0.88308835	3.96344966	0.847479	1.2198851 C	94542233	0.9683269	1,0/03858	1.136//23	1,0000/14	1.0002373	00000	4 0327765
Phase-1 RCT-123	0.9610543	0.9392809	1,009741	1.15631/1	0.95688036	1.3594205	1.061852/	0.9503233	1.0/0.41	1.0100033	70010701	0 7731424	1 0763944	77085825
Friase-1 RC 1-69	0.100/2144	0,00640007	0.03263	20000	Concentration	-		-						
midenside transporter	0.77237916	0.8403692	0.83358806	0.8862777	1.0457022	0.9408263	0.9825619	1.0174794	0.8437007	0.72326124	0.6367833	0.5628986	0.7954714	0.9009729
Glucosa transporter 2	0.4711357	0.6573101	0.7363769	1.80675936	1,1470666	1,0387366	1.4067663	0.8813798	7.40221727	0.6275017	0.43715245	0.42941275	1.0251453	85442865
Mulidrug resistant protein-2	1.0750359	0.88521506	1,1482161	0.968245	0.9338189	1.1168138	0.9537698	1,0385768	1,329869	1.3831478	1.4213088	12498893	1,2224085	1.1340177
Multidrug resistant protein-1	1,1507361	0.9222903	1.1842461	0.9245305	1.1908151	0.9782461 C	.99297774	1.0271351	1.2488108	1.2045532	1,4696597	1.694771	1.1882141	12730638
Phosphatidylethanolamine-binding protein	1.0476757	0.83773425	1.0022966	0.78253706	1.0452124	0.8190576	0.7819124	1.0901374	2.187722	1.8667394	1.4941086	1.9989529	0.8254946	1.121/185
Phase-1 RCT-180	1.3622051	1,5013501	1.3129156	0.82165/36	0.9332B37	4 9040774	1.1234822	17709719	1.417.39.00	1.23/3010 4 4540555	4 4755307	4 RADAR11	1 2276307	1 3967131
NAME And Applications DATA and and and and and and and and and and	1 1325751	1 1773452	1 2061988	0 R3647R	1 3172449	1 0284907	1 1120316	10129187	187584615	0.9572072	1.0619187	1,4739163	1.0173372	1.249256
Waft	0.93418497	0.91698486	1.0992126	12377476	1.167846	1.4148662	1.1274137	1.0127522	1.1274079	1.3824564	12666234	1,4710499	1.3404733	1.0534282
Endogenous retroviral sequence, 5' and 3' LTR	0.79179734	0.94817036	0.853574	0.8568678	0.96115714 (0.73587966	0.9110492	0.8012223	1.3282658	1.0151435	1.3491335	1.056047	0.93046117	0.9923947
Phase-1 RCT-53	0.8791944	0.9729885	0.97000885	0.8046627	0.B1124294	0.8488771 (.80192155	0.90542	1.1439749	0.97869873	0.872935351	0.9629169	0.7439389	127178
Phase-1 RCT-54	1.0002899	1.1680404	0.95011437	1.12(836	1.0226299	1.0783556	1.0680416	1.1100079	0.7824451	0.8531/63	0.70708815	70000000	0.99003256	1.010121/
-Tase-1 RC1-240	4 2746007	4 2626301	0 8000534	O BASBOOK	0.0500019	77977736	0 9492723	1 0547816	0.6522367	0.6612222	0.61113816	0.69482934	0.92511314	0.9702281
Osteoponin	1 0637344	77544777	1 0518038	0.R141374	0 9479864	0 8446913 0	82827383	0.6761312	1.8365806	1.3708087	1,4044435	1.5233432	0.9328425	1.2064228
Phase-1 RCT-241	2.9569387	1,699869	0,9018065	0.9520121	3.83744735	1.1004021	1.1734132	1.0707952	0.8733637	1,2310315	1.1492221	1,0790707	1.2664462	.98121864
Tissue factor pathway inhibitor	1.1412823	1.2666863	1.1440927	1,3358175	1.0536232	1,4430473 C	98732966	1.0745574	0.8940567	1.0335273	1.2048947	1.1267672	1,3395998	1,0118479
Cyclin-dependent kinase 4 inhibitor PZ7kip1 (alternate	0 10000010	4 3290077	0.00444696	O DESOUGE	0.8853863	1 1053408	0 9801264	0 94980724	A77.CA-019.C	0 6496795	0.65785426	0.9802751	0.78742987	1.027399
Phoenholings	0.74805087	1.0122788	0.67230018	4_	0.7612035	1.028347	┺	1,0020735	3,78233725	1.1281704	0.9704784	1,2781537	1.4273684	0.96139586
Phase-1 RCT-39	1.4104062	1,6631589	0.90880275	1.0612801	0.89150447	1.1721127	0.9222047	0.9076924	0.79639447	0.8284061	0.80070746	0.95829403	1,0039216	1.1875331
Phase-1 RCT-258	1.5277561	1.3957406	0.92581564	1,0154995 (0.97373784	0.9258685	1.1611772	9.83305296	0.8881814	0.87311447	0.80819464	0.88898903	0.9898481	10303532
Phase-1 RCT-113	1.2403374	1,2264336	0.85396235	0,83606607	0.79637796	0,96038985 (1,91628673	0.96671057	2.1393368	1.5155488	122222	1.174192	1.30/353	12/8/15
Adenine nucleatide translocator 1	0.75235015	0.8221742	0.8013657	0.75198 1	0.86131275	1,0028533 (39(757363)	3 2855847	0.5808717	0.50757947	0.48880232	0.6165626	1.1014664	0 9002000
Alpha-1 acd glycoprotein	10.337885	0.0440637	734650	0.0008348	0.0262130	4 0406634	1.1430030 1.1430030	142053858	1 0004483	0.48911330	0.95212036	1 4011122	13960057	1.73538
MHC dass it angen Kt 1.b-1 bea-chain	Lycophysi	U.Ottacher	0.0000071	L'account L	U.St overtier	1 Arresests	Tanabar.	7	- Anna	Airconner, I	Argument and a second			

									212525 1201101 0 120001 0 ESCORTS	11011011	0.05528475	0.72042551	0.9672114	1.0199625
	1 64497751	1 5839093	1.215203	1.0679376	1.2252864	1.0248191	1.0457604	1.0146531	0.7322343	0.140410	0 2020700	AF1272034	1 1544042	0 90006214
Organic cation transporter 3		00072100	0031070	10153334	4 04R4195	1.4793347	1,4783347 1,4855689 0.9585129 0.43217322	0.9585129	0.43217322	0.4351783	0.3330/00	0.01412000		000000
Hymoreia-inducible factor 1 alpha	0.92619085 0.3471203	0247	0.04	10000	000000	75035077	ACFARCO O	0 89993286	* ***** 0 548416 0 84112203	0.84112203	0.743819	0.8850321	0.847617	1.0220220
Dhace 1 BCT-43	0.7873355	0.7873355 0.8953971	0.8767253 0.71164405	0.71164405	0.733432	250275	4 5055004	4 0040505	1 2505285	1 1253754	0.9931792	0.9931792 0.8347345 1.0165597	1.0165597	1,0480949
Dhouse 4 Dert AS	1.0713814	1,0075122	0.9772049	0.96999454	0.92231164	0.9772049 0.96999454 0.92291164 1.0450420 1.0496029	*000000	100000	000000	0 777834R	0 7875187	0 7875187 0,8063424 0,98885834	0.98885834	0.9534571
The designation of the designation	1,3081509	1.0533417	1.3276078	0.834524	1.0170442	1.0170442 0.9282889 0.9186239 1.2203731	0.9180239	1.2203/31	0.000220	A 17071678	0 6275711	0 6275711 0.7094856 0.9823841 0.94243455	0.9623841	0.94243455
Marade Denyar Operator, Lytosomic	1 0953848	1.156748	1 2927729	1.1292092	0.909573	0.7947702 0.77640843	0.77640843	0./383893	0.7393895 0.34 (48844 0.47021020	200000	ACCESSON O	0 947308 0 97812206	0 9947308	0.97812206
VL30 element	0.7974703	10	1	1,02556	1.1857343	0.7955956 1.0442393	1.0442393		0.9421283 0.8012278		4 40/0555	4 4010EEE 0 7709400 0 96431714 0 9537254	0 96431714	0.9537254
Phase-1 KC 1-189	4 092/086	0001086 0 9613188	Г	1.0701015	0.9695286	12117461 1.1116756	1.1116756	1.0218014	-1	0.7300713	10000	0 FELOSOT O 20000000 0 7665484 0 8135143	O ZEESARA	0.8135143
Apha-fetoprotein	0.0024800	75310174	[0 8988566	1.0373279	1.0373279 0.65462885 0.90309006 1.1327678	90303006	1.1327678		0.7589902 0.49353778	0.3040437	023000300	4 00000 A 000070984	VBP077990
Calgranulin B	1.0785024	0/89524 0./35/00/4	-1	4 5450004 0 53503476	O CASSARG	1 0903188 0.9747801 1.0020086 0.91423327	0.9747801	1.0020086	0.91423327	1.0870363	1.2499572	1,0553138	1.0330430	0.0001
Tissue plasminogen activator	1.0755728	- 1	١,	0.500051	0.000000	0 7287521	0 8315743	0.972567	0,9038656	0.7892408	0.84747358	0.7892408 0.84747356 0.8803407 0.83432/5 1.03813.29	0.83432/5	1,0381323
Phase-1 RCT-195	1.0866154		1.0742626 0.87930965	0.3000140	4 700774	4 702774 0 07501104	1 3888197	ı		0,48998347	0.37656292	0.5792221 0.48998347 0.37656292 0.3268912 0.70593923	0.70593923	0.7438354
I wer fathy acid binding protein	1.0592368		- 1	1.4330002	1,132/11	0 57774 46	A 7541017	ľ		0.8520702	0.483354	0.483354 0.59619237 0.7956587	0.7956587	0.7490302
Ahrha-1 microclobulin/bikunin precursor (Ambp)	1.2681884	1.2681884 0.98574394	- 1	0.738077	0.8093/004	0.871092 0.71380/17 0.8833/064 0.977219	4 077AEA7	1 0774647 0 9718492	1 0141796	13270348	1.4740139	1,4569049	1.039461	1.0316315
Prese-1 RCT-294	0.85872024	0.9534154	0.9534154 0.87728876 1.1412474	1.14124/4		21000001		4 2225741 0 83136364	1		0.7477225	0.7477225 0.99788547	0.8661323	1.0763624
Prase-1 RCT-151	1.3924136	- 1	٩	0.84320/05	0.5740334	0.120230		4 430778 0 00243474		1,4416817	1,3418604	1.5628054	12351962	1,5907698
Obsert Port, 158	0.9543601	o		0.837111 1.0216238 0.9/9041/6	0.9/9041/6	1.430//93	1 133/10	4 1351 10 0.0500 th	0 0452808	C0452808 0 8274027	0 6891304	١	1.0313028 0.75559753	0.9259038
Disso, 1 Der. 224	0.90226734	1,05961	0.8342958	0.8342958 0.67869276		0.7086805	0.7007101	0.7007 101 0.0001723		0.0426548 0.8199894	1-	0.9947681	0.78094345	1,0160924
TIMES TO THE PROPERTY OF THE P	0 8654445	1,0440664		0.9137028 0.8582018		0.6275326	0.5513444	0.1301032	1.00004	4 2500245	4 40E6117	L	ı	1.0669737 0.90232784
Prase-1 KC 1-233	4 0004745	M244745 0 78587973		1 0030552 1,0035155	1.1261137	1.2914017	1,0796856	1.0796856 0.9164062		1.6500311 1.23532246	1.100117	A 6000109A		1 0200617
Organic anion transporter 3	CP1442011	0.000000	1	4 4764649 A 60900318	•	0.7990318	0.9520495	0.9520495 0.8625777		1.0034385 0.86287166 0.8125105 0.50691094	C016218.0	0.30031004	0.00000	2630030
Matrix metalloproteinase-1	1.1482801	_L	L	4 2017206 4 0057044		0.9801304	1.1541833	1,9612178		0.6534084	0.46206877	0.6873797 0.6534084 0.46206877 0.44481403 0.92150414	0.92150414	0.0032000
Unrary protein 2 precursor	1,3778192	- 1	ı.	0.0034039		1 114313	0 916162	0.93637645	1	1.08770.1	1.1176935	1.0870261 1.0778021 1.1176935 1.1028128	1.0394447 0.97587184	911567E.0
Phase-1 RCT-212	1.0374302	1.1468208		1.0001623	1	2								
(1) Gene expression data for 6 hour impoint are														
presented as mean ratio of treatment/control for all 6														
hour predictive genes (Table 18).														
(2) Compound and dose abbreviations as in Table 1.														
the state of the s														
(3) Individual animal number														
(4) Liver inflammation dassatication for conspound														
dose group at 72 n: yes-near, near ose post yes-														
bour, necrosis was militarini casor co														
(5) Predictive gene (as in Table 18 and as included in														
Table 26)														

Table 28 Emmestion Data for 6 Hour Timemint (1)						-								
П			П	П	П	3000	1	00 0110	00 00			1000	6 30 1	WET 13
	SON SO	SON SO	_			KEIO ZO	KEIO 20	200	NEIO GO	200	264	347	343	201
Animal Number (3)	1942	1943	1821	1952	255	222	2223	1622	2622			-		2
Liver Toxicity Inflammation Classification (4)	2	00	2	2	2									
Gene Name (3)	1 0007716	0 97992307	0.9524644	1.0436653	0.8855689	0.95271623	0.99592227	1.0214511	1.0634316	0.895165	8,229666	3.770373	3,7279167	0.7659578
Caddifia	1 0275779	1.1779433	1.0215728	1,0858066	1.0536747	0.9228966	0.9914969	1	0.9273405	0.9907862	3.4147527	1.6607026	3,3599277	1,6387256
S-CONC	0.94551885	1.1075269	1,076363	0.99455184	0.9398406	1.093317	0.9051913	1.2135977	0.93002015	0.95761454	2.7813256	1,5247602	1.8029577	1.7474566
Mex	1.0976804	1.1842904	1.1155797	1.02779.11		0.94416595	0.9670863	1.030593	1.0444181	0.86048645	1.0962989	1.0707154	1.143029	1,6592982
Cathepsin L, sequence 2	1.0975043	0.9433064	0.9081122	0.98576653	1.3108917	0.96603113	1.2512745	0.77504003	1.0134639	1.0899011	1.4545305	2 4004243	-	0 8398098
Heme oxygenase	1.3736643	1.00102	1,2013853	1.0829938	1.3533628	3	0.91791934	1.4204380	1.1380563	1.20102/2	1 2456201	1 6510758	1 0720207	0.4924123
Phase-1 RCT-109	0.977453	1.163/768	1.006235	1.1/2/808	1.1550628	0.91123575	4 000001420	1.030001	4 000000	4 0047007	1 0808346	1 2913306	1 0001637	0 8152795
Phase-1 RCT-111	0.9618218	1.0645447	0.93156/13	0.9154322	1.1215332	CL/0220.1	1.0032212	O DOCEACE	1.000000	1.0241331	0.48005602	O RASBRAT	0.5143747	1 0113677
Argininosuccinate lyase	1.414619	1.1419255	2.1548169	2.541465	2,6208181	2/00/11/00/2	7.0854802	4 4528513	1 0125071	0.0014179	1 9298172	10135008	1 7887943	0.7246135
DNA polymerase beta	0.9056254	0.9830133	0.94627607	1,024,343	0.03000034	0.3001300	4 0500000	0.0257013	4 0507744	4 M352500	4 2000830	1 1876981	0.91966	1 88983184
Phase-1 RCT-103	0.965/1283	400000	0.307.7540	0.00000	0.0000000	1,000,000	76258500	0 94471395	0 91809505	0 92884177	1 9078461	1.1444094	12044798	1,9140434
Kiposomai protein SS	0.09451317	1 0274473	0.000.0	1 0346693	1 047279	1 1144748	0 9992218	1.1087186	1,00481	0.9770688	1,3486129	1.2702775	1,3943073	1.1670022
Pheed DCT-15	1.114612	0.9491843	1.0144848	1.0737094	0.92967266	1.2411383	0.9950888	1.363971	1.0666254	1,1078354	12746118	1.0940305	1,3604777	1.6727176
Mecmetage inflammatory emiein-2 ainta	1.1931536	1.0117675	1,1176807	1.1524097	1.1150115	1,3293363	1,0523502	0.9743962	0.93533444	0.9217366	5.360902	4.1258607	2,837201	1.0994107
NGF-inducible anti-croliferative putative secreted														-
protein (PC3)	0.84819967	0.93954116	0.93155855	0.9938019	0.8653415	0.9238848	0.93796796	1.095331	1.1392101	0.9016523	2,760559	1.8117344	2.8377779	0.6492041
Phase-1 RCT-191	1.0499213	1.150155	1.1885306	1.4436544	1.2580333	1.018488	0.9675913	1.0513598	1.0550132	0.88280016	0.81022537	0.8870963	1.0861895	2,025/823
Phase-1 RCT-63	1.1300342	1.0475516	1.037817	1,070305	1.0854447	1.0025202	0.9621287	1,0940688	0.9834691	1,007177	1.1417121	1,3300/06	1.1741174	1.0960686
Cyclin D3	0.95665896	0,968235	1.0212193	0.97833633	0.9367739	1,0851439	0.9102255	1.0612698	0.9210634	0.93676984	1.7591627	1.5542681	19579474	13725541
Phase-1 RCT-108	1.0133171	1.0560417	0.87834275	0.7889051	1.0231646	1.0056747	1.1003542	0.9883808	1.0329939	1.0036707	12772833	1.1514429	0.98717153	1.0144281
Phase-1 RCT-56	0.9407147	0.9888424	0.98992648	0.7835416	0.70360154	1.4055681	1.0309274	1.1993505	1.1938995	1.1694535	48,48836	64.90753	45,934826	0.850523
Phase-1 RCT-192	1.1211532	0.89442605	0.88079387	0.9277146	1.0294368	1.0501163	0.94832367	1.14749	0.9748004	1.0180936	1.1286563	0.9276	1.1346891	0.04900487
Phase-1 RCT-75	1,0077782	0.96108955	1.0738553	0.98944896	1.0405383	1.0420177	0.93280005	0.9206476	0.9255/33	0.9381112	1.9256188	1.5/905/	1.4//4220	0.3044403
Acetyl-CoA carboxylase	0.9090707	0.9521575	0.96795774	۷.	0.84109671	1.0210835	0.9905964	1,0696/9	1.0437197	75960000	4 4503134	4 020057R		0.89784306
Phase-1 RCT-95	0.97101957	1.0645429	0.90340304	0.8682144	1.029769	1.0090362	7.0430302	4 4076377	4 4745959	4 4043BOR	1 2010109	0 878,0601	1 0945649	0.58575233
Ostatin C	106/014	1,064/405	1.0145554	4 4492247	1.0205039	0.040970	0.05027775	1 1068355	1 0002692	1.0213331	2.304993	2.8278906	2.124291	0.9473326
Phase-1 RCI-49	1 5654421	1.0070321	1 2373829	1 1079026	10293751	0.98638814	1,4353759	0.9516436	1.1524916	1.6799595	1.213817	1,5960189	1.1082484	0.76505935
Cadd45	1 0938023	0.9245344	0.9832614	0.9691276	0,9120701	12201904	0.8557249	1.0077599	0.8864299	1,277511	2,6349094	2.1567982	2.3142595	0.9727326
Phase-1 RCT-156	0.9806981	1.068987	0.8894931	0.8315694	1.0240752	0.9982242	1.0508922	0.9654559	1.0206279	0.97326446	1.0961988	1.0243403		0.97117815
Cofile	0.99674606	0.93421453	0.961387	0.92013496	0.8842926	1.035301	0.9822724	1.1327968	1.0484967	0.9879209	1.6537524	1.023491	1,4222473	0.91191494
Phase-1 RCT-127	0.92588353	0.9441446	1.0484929	0.9941824	0.9376865	0.9452556	0.9944046	1.1202545	0.99969536	1.0909326	1,3025404	1.2364187	138/368/	1997/3907
Macrophage inflammatory protein-1 alpha	1.0996436	1.2752298	1.2374929	1.0984274	1.0442431	0.9632984	1.0113952	1.0514163	0.9907138	1.0812596	9.432194	2.2058/52	1.3598339	1,900000
Zinc finger protein	1.1132207	0.9522577	1.103619	1.0479739	1.0711578	1.0474908	1.0601234	0.9389355	0.9249278	0.95250036	2,0432815	23504304	1.4051941	1.0433000
Phase-1 RCT-73	1.0072176	0.9117415	1.0387224	0.9913007	0.9726587	0.9718703	1.0021045	1.0047433	0.96020407	4.04.49745	2 554585	1 6971004	1 9901379	0.85782146
Glutamine synthetase	0.75998574	0.8692/96	1.1143031	1.1456546	1.2060397	4 30658073	4 073010	1 16641	1 0807018	1303682	0.8989053	0.9883078	1.0573431	1.1352862
CAb-binding protein	1.0031243	1,004600	0.07 137437	0.78078006	0.06703315	1 0353877	0 8869119	1 0985578	0.9969879	1.0035049	2,9660199	4.75165	3,497128	1.2112051
Masser RCI -242	1 0358234	1 0169414	1 0932341	1 0569249	1.0860683	0.97128224	0.93683547	1.0838232	32 0.92470014	1,0049965	2,3360503	2.4759953	3,35019	1,3871026
Chonsin factor 1 acts	0.966876	1.0156159	0.96870816	0.93166286	1.0182295	1.0619925	1.0313597	0.9548139	1.0243895	0.976929	1,330464	1.1346995	1.126819	0.75022286
Integrin beta 1	0.98008734	1,0905957	1.0357596	1.1580117	1.0969945	1,1089368	1.1159241	1,0778109	1.1365919	0.9384832	1.948284	2.2543967	1,691816	1.0598472
Insulin-like growth factor binding protein 5	1.0272285	1.0968559	1.0858059	1.1478703	1.1519157	1,0777171	1.0116659	1.2060399	1.0837133	1.0543209	1.4044927	1.4599402	1.736269	22140323
Phase-1 RCT-59	1.0027959	1,0496517	1.3092813	1.1927016	0.9986311	1.0225185	0.9976539	1.0598515	1.0568336	1.0674726	2.68238	4 4534643	00282021	0.16226343
Phase-1 RCT-76	0.9662423	1.1047064	0.92145914	0.8770872	1,0221049	1.003527	1.1242344	0.95027154	1.0020814	4 0207270	1.22/0003	7750705	4 0479304	0 6R34927
Ferritin H-chain	0.819886	0.8471689	0.87855047	0.9328309	0.841712	CB\$//086'0	P20EBOCE.0	1.1518/45	1,0521133	4 0000000	0.41509076	0.40776065	0 336063	0.6539771
Selenoprotein P	1.0440286	0.91818446	0.867486	0.953999	0.842/4/45	1.1000146	1.20/042	0.91574335	0 970928	0 86465466	0.7563197		0,7371868	0.96315444
PIENMMACI	0.6/9353	0.3393304	0.336/130	0.0322333 0.7764770E	0.01324104	4 2086112	4 4501125	0 9247065	1 0162979	0.8233785	0.444227	0.25472915	0.49089262	1.1927806
Dase 1 DCT 449	1 2208237	1.0083247	1 0480717	1.0190657	1,1417803	10217377	0.9610457	0.9783418	0.95667595	1.240088	0.806769	0.9182269	0.8927737	1,1151408
Thymidylate symbase	0,9881159	1.2443552	1,0538572	0.94343305	0.97533137	1.283213	1.0161449	0.9307574	0.95920724	0.91628623	0.7209763	0.92310613	1.0498892	12370056
Phase-1 RCT-13	0.65959555	0.69096524	0.6997478	0.9145236	0.8161728	0.99129534	1.1123914	1.3597115	1.0041509	1,2150387	0.8944612	0.78359246	1.0393988	1.1716345
Nucleosome assembly protein	1.2414287	1.0700731	1.0107627	0.86695504	0.9506329	1.1925362	1.325094	0.6179134	0.6970356	1.0952376	0.62437874	0.55038084	0.6003813	1 2541755
Cholesterol 7-alpha-hydroxylase (P450 VII)	0.8503636	0.7955671	0.9705764	0.9450745	0.85212374	0.7444301	1.256338	4.2000024	1.25335550	4 4470654	0.23066303	1 5552434	0 92941797	1 2443498
Vesicular mondamine transporter (VMAT)	1246988	1.0286324	1.0369BU3	1.0421533	1.0245502	1.0514500	0.8659 1U/	n ocandena	4 0240537	1 2563006	0.7783222	0.66681415	0.85834926	0.89275247
Phase-1 RCT-260	1.140b/z	1.000679	0,838(5)33	0.8340030	0.532933031	0.801108.0	U.BOUGOOK T	U.Bureveren	100010					

	100000000	4 4004300	1 03040731	0.0402662	0 068100751	RAGGAENAL	1 17993651	1 4209749	0.8720982	1.0547688	1.0821216	1,0272719	1.14019261	1.169869
Prisser I No 1-32 Dormismo assembly factor 1	0.9437311	1.0523804	1.1095022	1.1441981	1.0282372	1,0117315	1.0060494	0.9962735	0.978626	39600185	1,2247632	12352031	1.0929134	1,5989184
B-oxogranine DNA dycosylase	0.9880124	1.0882016	1.1066477	1.1859607	1.0870602	1.0826445	1.0254344	1.1597703	1.0345509	1.071013 0	.80767083	1.0542516	1 2042111	1.1086553
Phase-1 RCT-82	0.9835014	0.99233377	0.99234223	0.99075174	0.99261856	0.97952396	0.99995613 (1.98418283	1.0164995	1.0287018	0.884632	0.7904585	1.014286	1.0177155
Matrin F/G	1,2168912	1.0131657	1.2049702	0.99138796	1.353331	1.1761152	1,335163	0.9969126	1.0620961	1.1519339	0.393606	741639474	0.46/8134 0	1 1500707
Phase-1 RCT-184	1.1296718	0.9936677	0.9539938	0.9517293	0.9068201	0.9790135	0.9195084	1.0144694	2.95228066 0.0000607	0.96/343/ 0.8	0.9000301	0.3835487	6626254	0.611268
Phase-1 RCT-168	0.8887769	1.0678431	0.7465231	0.8032584	0.71089715	4.04400340	0.0030004	0.0040 130	0.3250657	1 2729532	65940386	16277537	0.7968408 0	66345525
Phase-1 RCT-119	1.1339/38	1 1216606	1.0261940	1 1166948	1 2288782	1 1937033	1.0960412	6012	0.85543853	1,0668191	57935095	0.5917615	83039397	1.2341954
Caronic amyorase ii	1.1535026	0.92570484	1.0069169	1.0325538	0.98750275	0.98463076	0.87435895	1.1167656	1.004381	1.1573745	0.7411372	3,99554795	0.7857753	1.0095191
Phase-1 RCT-71	0.96515673	1,0074083	1.1433089	1.337439	1.2488846	0.8846165	1,060993 (3.98428778	1.1036463	1.1540539	1.0625638	1.4720643	1.0881327	0.9468104
Phase-1 RCT-179	1,0652453	0.97104985	0.94494826	0.97836244	0.95728016	0.9431783	1,0555197	1.0323646	0.96827424	0.92151177	2.0711462	1.7609483	1.1678132	0.7943228
Phase-1 RCT-161	1.2644985	1.0436232	0.8774453	0.7920463	0.607171	1,2304059	1.1112796	1.1459614	0.7651397	0.988889	0.8285385	0.3891223	4 4462423	4 4488447
Phase-1 RCT-207	1.0706694	1.0672678	1.0348487	1,0806477	1.0593575	1.0036439	1.0150962	0.96733004	0.98716694	0.95859534	1.9333489	1,829,7130	1.1 102423	4 04 15086
Phase-1 RCT-144	0.90197897	0.9716827	1.0264837	1.1588262	0.8513773	0.91643333 (0.93411344	1.055/394	4.0003238	74000353	1.6013333	1,370,3300	0.8283416	1.6080526
Phase-1 RCT-225	1.3064153	1.8439751	1,00690/7	12699995	27172	0.6094559	1.14.13121	1.0042001	1.0333330	4 0475735	7034535	R247F52R	78981996	1 6259478
Cytochrome P450 2E1	0.77936983	0.6189453	0.9971944	1,0002.	1.090930	1.10240421	1,0000/3/	0.0433331	0.0410.00	0 8357365	1714563	0.8479681	1.0369929	2058135
D-1	0.9699711	4 0743448	10100364	1,00917	0.200010	0 90809333	0.96679076	1 100456	1.1160744	0.9965038	2822328	2,4958155	2.0429754	.46236315
Trioredoxin-1 (Incl)	1.1230012	1 0395795	0.74424905	0.5995918	0.30754533	1.4889219	12765006	1.2645773	0.7353717	1,0078796	0.3283733	0.13676777	1,0052402	0.6417587
Dhase 4 Det 440	1 0591717	1 042053	0.97758275	0.9806997	1.0269414	1.0058285	1.0125313	1.0074236	1.0032027	0.9205232	2 0.89464164	0.6835923	0.84165436	1.6313605
Considerent component C3	1,0078056	0.96554625	0.9235084	0.805109	0.7609197	1.2479509	0.87902087	1.1973777	1.0943105	1.177203	1,392,4387	1.4643393	1.1195097	4 004700
Gucokhase	1,0068666	1.6297134	0.7240624	0.57982284	0.4565747	0.4627134	0.8838492	0.7040563	0.64182127	1.1633391	1.2551272	3	0.8613579	1,094/03
Phase-1 RCT-173	0.9584365	0.9998043	0.9423206	0.93235743	1.4046055	0.9767616	0.9638476	0.96192324	0.96525204	0.9962456 (0.71302134	0.95/4/6/4	4 2004270	1.001/139
3-methyladenine DNA glycosylase	0.9617858	1,063002	1.0197123	1,0802994	1.0754836	0.9237024	0.94569147	0.9990205	1.023182	0.9971294	50,392	1.0023631	1.280497	1,0003743
Peroxisomal multifunctional enzyme type II	0.82754046	0.9039344	1.105777	1.0666063	1.0393927	1.0367752	1.0424678	1.02/2564	1.0236476	0.8008/02	0.6146409	0.40000000	0.5/844634	66823123
Phase-1 RCT-40	1.0646025	0.943564	0.72395474	0.72797734	0.7241561	0.97362	4 003675	1.020949	4 4563647	4 4075744	0.0140463	498656	0.3348356	0.3853445
Senescence marker protein-30	1.0684735	0.9785754	0.78373265	4 225 4035	4 4602332	1.082271	1.093525	1.1033378	1 0402974	1 0339515	3 248979	3.4577875	2,9949992	1.4523977
Cydin G	1.0046062	1.0156518	1.1025338	1,2234033	1.1392332	0.0911702	0 848 1086	10463178	0 9617333	0 9318936	1.4767443	1,4097823	1,6094047	96135944
Melanoma-essociated antigen ME491	0.86700773	0.30002	0.7633012	4 04444130	1 0405087	0 98991733	1 0071777	1 022335	1.0702772	1,0042328	0.8553438	0.86407288	1.187995	1,5255644
Phase-1 RC1-28	4 0738713	1 118309	1.0582238	1.0781575	1.03155	0.98348266	1.0285655	1.0232941	1.0402478	0.8535997	0.82249314	0.8678658	0.9476531	1.0777112
Alcohol dehydrocenase 1	0.41873962	1.6185217	0.5215533	0.5969614	0.939155	1.6857448	1.0831046	0.8466064	1.0256118	0.8102844	0.18983369	0.3071824	0.12800981	41586024
Stem cell factor	12063893	1.0194987	1.0337074	0.94287753	0.7633883	0.9900981	1.069753	1.0640366	1.0150657	0.99799824	0.5494676	0.7966409	0.80660623	T010017
JNK1 stress activated protein kinase	0.91506517	0.8071423	1.0597832	1.0636333	13360765	0.93370616	1.0431865	0.905/28	0.54707435	1.0926//9	1.1051910	4 0068322	1 0767030	92898064
Protein tyrosine phosphatase alpha	1,392655	1.1094499	1.1185402	1,0926348	1.3295885	1.0066132	COLUE:0	0.5604034	0.9910141	0.054855	1 1280015	1 2206091	1 0474926	63948673
Phase-1 RCT-55	1257592	0.819068	4 4700765	1.1/8035	1 0041174	0.033433	1 0942245	0.95156103	0.97295934	0.8963175	2,1065512	1,6101443	1,3191372	0.9810194
Ublquitin conjugating enzyme (RAD 6 homologue)	1.1333488	1,000140	A 09573705	0.0375445	C 88119m2	1 1580708	0.8709525	1 2004129	1,1000584	1.1760023	1.6016743	1,4623646	1.2654377	0.4169716
DNA topolsomerase I	0 98921543	0 99770766	1 1369532	1.0490385	1.1940002	1 2342781	1.0894498	1,2267095	1.0038025	0.8396637	0,93454236	0.7705086	0.82171553	3,83547267
Supermide dismuses Min	1.0276743	1.1257976	1.128045	1.1676245	1.1636626	0.9598176	1.0363431	1.1149348	1.0966605	0.97036785	20.531837	12,397959	16.049902	0.9747338
Beta-tubulin, dass I	1.0314034	0.93696225	0.79720527	0.89731383	0.5525056	0.8657698	0.68654734	1.0923228	0.7785361	0.7423398	1.6665553	1,3413569	1./304004	1,5405242
Carbarryl phosphate synthetase I	1.1840132	0.8719307	1.4076178	1.4582316	1.4268117	1.1081667	0.9810862	0.79774874	4 0427036	1.3509050	0.49603000	1 4740053	0 7447184	1 2952418
Diacyfglycerol kinase zeta	4 03/4605	1.0347123	1.0468529	0.9705191	1.02964	1.1304292	1 0894456	1 8342329	12051562	1.382908	4.891912	4.978822	3,7161067	0.8664568
14.3.3 sets	1 1209632	0.83709425	0.92181295	0.9276954	0.8579964	0.97998685	0.9227863	0.98909646	0.91332495	0.8470209	1.9878981	1.9108706	1,7060933	1,3666638
Cameractio Adolesmic	0.90701365	0.67315155	0.94477147	1.3242338	0.8463712	0.684846	0.7874003	0.8777439	0.8579134	0.74407697	2,5017965	1.3674963	1.5712758	0.82314366
Ribosomal cratein L13A	0.9968991	1.1772531	0.94227594	1.0867789	1.0647409	0.96302587	0.94749546	1.1012404	1.0866926	0.97240454	1.4947401	1.6624883	12439847	1.0576942
IkB-a	0.9334734	1.081199	1.0004733	0.98427993	1.0914755	0.85262775	0.9202379	0.9711289	0.98477315	0.8734118	3.482/08	1.0530221	2014320	2 4640675
Phase-1 RCT-65	1.2901063	0.96534044	1.0963484	1.1762989	1.1829572	1.1986033	1.0116844	1,0063257	1.1034843	1 0000014	1.029/495	1 4625305	1 8714475	1 4467468
o-fm	1,306656	1,5004582	121/100/	1.32.386.35	1.3030311	1 2641448	1 0612005	0.9222646	0.98103315	0.9725015	0.5983142	1,0733088	0.733268	2.9811418
Protein O-mannosytransierase 1 (Portri)	1.4503903	4 2246265	0 9593817	1 0442383	0 88405836	0.9594442	1.1410923	0.79675287	0.9339965	0.84431046	0.8604242	0.8521867	0.7746885	1.4384546
Phase-1 RCT-12	1	0.9738639	1.0475565	1.0352547	0.9521459	0.99096286	0.9147278	1.1299034	0.9940853	0.916762	1.0496062	1,3990395	1.1467246	1.4200705
Interferon related developmental regulator IFRD1			Ľ	_	0.0000000	4 0000046	4 005064	1 142508	4 121718	1 0588284	1 5046431	1.1177357	12243353	9/2635990
(PC4)	1.0728949	1.0235034	1.2301140	1.0/329/3	0.5240071	1,0330010	0 07591645	1 0119349	0 9989126	10919958	1 9102492	2.4266512	2.4011679	0.582328
Gucose-regulated prolein 78	0.8533687	0.3256525	0.077770	0.7241003	0.0321173	D 96901904	1 0091366	1.0656422	0.8923258	0.92414635	1,0516205	1.8228394	0.8862202	0,9768385
3-beta-hydroxysteroid denydrogenase (HSUSB1)	1 0209072	0.9958042	1.0467478	1.0624574	1,0822659	1.0233717	0.98267025	0.99404156	1.0026886	1.0208048	0.7576094	1.0710107	0.790594	1.3844489
Phase-1 RCT-169	1.2413396	1,0501451	3,3783185	0.83683026	0.7389251	1.0824522	1.0230948	1.0575747	1.0757723	1.3243555	48,93563	85.23488	36.190882	1.0867108
Phase-1 RCT-197	1.0394636	1,0805802	1.0223625	1.1421398	1.3815345	1.0674584	1.1294522	1.1085479	1.1012568	1.0513813	1.63027	1.8056266	1.380/95	0.3095849
Phase-1 RCT-34	122712	1.041871	0.8567238	0.91864717	0.6565795	1.0098627	0.8561175	0,92009383	0.973/912	0.8848324	U.4105UZIZI	0.40707404	0.0000	14000

				300	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.0011000	0011000	1030500	0.000004001	4 4555530	4 24974761	4 360233	1 1061096	9259R325
Phase-1 RCT-72	1.1630596	1.1051718	0.9726219	1.95600/95	1.1/04144	0.9544835	4 0776857	0.04977194	1 (269557	0 90915096	0.7058793	1.0265826	1.1384441	1,056601
Pyruvate kinase, muscle	1.1040630	0.9304000	0.787797	07134755	0 8001722	0 97821146	1 1683575	0.9517787	0.9477911	0.9025404	0.56155235	0,37525007	0.52495974	0.522611
Present RC1-288	1 1257749	1 0342627	0.9414454	1,0031018	1.03812	0.9815836	0.97130406	0.965365	0.98755497	1.0436151	2.052649	3,296794	2.5804646	1.1700621
Codestante DAED 2010 (allegants)	0 637 19976	0 7165835	0.8321217	0.61682546	0.72609264	0.8820906	0.9549015	0.90228945	1.6493988	1,0798064	0.6684375	0.38289773	0.2999805	0.7468078
Present RCT-290	0.99461395	0.91000724	1.4572315	1,9404045	2,091663	1.0602595	1,0017263	0.6908721	0.6042407	1,3479601	0.6606008	0.85853084	0.9511878 0	.66225094
Phase-1 RCT-261	1,0464053	1.0871922	0.98292965	0.9092917	0.96594095	1.0784272	1,0032481	1.0401248	0.92512375	0.9302578	2.391/153	2000000	1.902081	5.3003437
Methylacyl-CoA racemase alpha	0.811109	0.8992773	0.92279726	1.0428332	1.3808391	1.2528465	10715331	1,2922628		2 0.0003002	200717000	0.03400.00	0.7 3300400	1 1632/64
Cytochrame P450 1A2	1.3122174	1.7646217	1.2089363	1.6187009	1.4045641	0.75488544	1.1209207	0.72638184	0.99529743	1,5550895	2063673	1.8233676 1.0872588	1 4669493	59946924
Phase-1 RCT-297	0.9715244	0.9737637	0.94915974	1.05/3165	1 20195174	1.151109	1.124/05	4/100/07	0 9292975	1 1221595	1.4222019	0.6732517	1.1033081	38840094
Monoamine oxidase B	0.74815965	0.83787733	1.0020/13 0.04422586	0.8587825	0 6865123	1 1299376	1 1915331	1 273955	1.2724485	1.1802365	0.6642921	308244	0.61219573	0.5881902
Phase-1 RC1-264	POSTSON O	1 5850098	10033	6676	1 1105576	1.3675216	1,0355848	0.91865474	0.93633497	0.88236207	0.66115415	0.8396752	0.9596175	1.6823552
Peroxsome prometator activated receptor patricia	0.950033	0 9246582	0.9951674	0.91905266	0.92256045	0.9357087	0.94416803		0.98791414	1.0255524	1.0578274	0.7400627	1,0096037	0.9823734
Distant DCT 264	1 0083994	0.90613014	0.92545575	1,0565841	0.97351766	0.8758234	1.1584718	0.84993637	1.0497032	1.0039599	0.5528879	0.17380409	0.48486882	1.2391624
Phase 1 RCT-127	1.0625942	0.9385294	1,1334645	1,1119177	1.1005216	1.1737834	1,231041	1.124014	1,061891	1.3742365	0.74658084	0.6893979	0.9803574	0.7521959
Carathina Stransferase Thela-1	1.2014712	0.83689437	0.9606767	0.8216296	0.753203	1.0419251	0.83008313	0.B2449424	0.94455725	0.7624522	0.87802714	0.561988	0.68188685	1.5787127
Phase-1 RCT-91	0.94955236	0.8568639	0.992068	0.8475371	0.8950986	0.9342304	0.85348877	1.0200946	0.97627866	0.83825895	1.0335997	0.92155/6	0.81063//	0./486483
Phase-1 RCT-148	1.0668529	0.9960465	0.93704695	1.0542784	1.4801328	1.0054348	1.0365793	0.75673133	0.91085625	1.0392828	0.61313033	0.5748655	0.52240536	0.7353535
Phase-1 RCT-142	0.8871297	0.94010586	0.9781444	0.99912065	0.96351403	0.9050125	0.96865294	0.9796038	0.96826786	0.04/6883	1.1044359	0.613634	UB/2804 14	0.1222402
Activin receptor type II	1.0885621	1.0700827	1.1826566	1.0249768	0.976322	0.8978405	0.9789834	0.87797374	0.8434835	0.83214855	0.8999003	1.1633533	0.8105323	1.433313
Glycine methyltransterase	0.65759616	0.77885896	1.3386273	1.1855576	2.3357434	1.09724	1.1626364	0.69837886	0.65230954	1.0012481	0.9365244	0.52301383	1,0304367	0.037.093.00
Phase-1 RCT-281	1.0129528	1.0348274	0.911618	0.819039	0.9528116	1.0095918	1.0736301	0.9345774	0.9765559	0.9284/23/	1.0914528	encest I	4 4905367	87407R39
Ciliary neurotrophic factor	0.97170764	1.0206268	1.085642	0.9982525	0.9078069	0.9341268	119855750	0.9652/39	0.36000333	0.33555117	1.153421	0.312020	1	100
Gap Junction membrane channel protein beta 1 (Glb1)		,	0.000,000	4 0700705	4 2050700	4 5727046	4 4571884	CECORBOO O	1 256275	1 0084825	0.35618287 0.56515354	_	0.40217384	1.2620857
	0.9636494	1.2223036	4 005 000	1.0700703	0.0000	0 00046436	4 0470465	1 0422032	0 9523604	88	1.4835973	-	0.95050305	1.244199
Phase-1 RCT-96	1.0759774	1,0306545	1.0236034	0.93234930	4 4 4 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.0101660	0 0504446	1 0062455	0 97770516	0.8461351	0.95828944	0.4609412	0.73961145	0.9893184
Phase-1 RCT-287	1,0620903	0.943/181	1.1334003	0.08580754	1 0271303	0 82774734	1 0298747	1.0157809	0.95674914	0.81559855	0.9201819	0.43627223	0.76850474	0.7454395
Retinol-binding protein (RBP)	0.8671904	00211200	4 0445430	0.0009036	A 9063297	0.97685015	1 215966	0.8578318	0.9648392	0.9339597	0.99057657	0.49775115	0.84007865	0.9194108
Very long-chain acyt-CoA synthetase	4.7000408	9900988000	0 8252612	0.89962405	0 7089325	0 974398	0.9723333	0.9057104	0.9969112	1,035738	1.5866357	0.97314966	1.170799	3.54284346
Syndecan-1	0 9954023	1 0919589	1 0042497	0.9991654	4 0.97346777	1.0309118	1,0518378	1.0511979	0.9414015	0.91600776	0.8614468	0.8042484	1.0136636	1.0681078
Section 1	4 D342443	CH67299 0	1 091 1016	1.1123116	0.94007325	1.0266405	0.96365134	1.0434864	0.9688209	1.0120498	1.37148	1.170529	1,0039934	0.8192432
AND THE PROPERTY OF THE PROPER	0.9098205	0.9806993	0.9382427	1.0507972	1.0619239	0.8987086	0.9001314	0,92943096	0.8783007	1,009499	0.9448063	0.6645337	0.9264391	0.62759805
Dhoea-1 Dorr-80	1.0559303	0.92188364	0.9203638	0.8244543	1,02222008	0.9568856	1,0379331	0.86039734	0.87199855	1.024279	0.4843124	0.45964047	0.5126839	5,58183106
Carronisemic reflection calculum ATPassa	1.1481997	0.93571794	0.967308	0.970721	0.96208614	0.9715707	0.9663368	0.9574373	0.9762683	1.1813173	0.9880024	1.065433	0.94812167	0.5076294
Abba-2-marmolabrilla seguence 2	0.99670523	0,89692706	1.0797632	1.3289794	12440596	0.98310965	0.98592937	1,0488796	0.9737954	1.0991638	12402723	1.5531377	12850043	0.87414473
Phase-1 RCT-204	0.95758057	0.9822216	1.1304888	1.1514928	1.1952876	0.98736924	0.89449986	0.3935009	0.97225726	1.0208148	0,9971621	0.9422084	1.1/83935	1.1363025
Vasoutar endothelial growth factor	1.0229851	1.0163896	0.9977878	1.0771067	1.0971533	1.2845117	1.052772	1.0162737	1.0295428	1,0003519	0.56144714	1,0332147	0.81233220	1.111/024
NADP-dependent isocitrate dehydrogenase, cytosolic				0000	-		4 4574040	0.0010010	2230080	0 09011476	0.44218117	0 2603418	0.3997504	72299135
	1.1027197	0.9581456	0.8428694	0.8044283	0.7353923	4 4970757	0.05856898	4 4524902	1_	0 91362023	0.8524381	0.71702976	0.67881143	1.115951
DNA binding protein inhibitor ID2	0.8545526	0.312/623	0.0500/00	1,0000133	0.50001420	0.745811	0 9044795	1 0159966	0.69257516	10041105	0.86901563	0.6190907	0.7041917	0.266844
Guantione ortransferase Ya	0.70042403	0.0463104	1 063856	0.471787	1 1731505	1.064949	0.6511565	0.5804643	0.88559675	0.78709793	0.30417183	0.60845435	0.58162534	1.3695344
Epopoe nyarorase	1 0055254	1 3256341	0.9180503	0.78038716	0.62162364	0.9223839	1.0650337	0.9326337	1,2028185	0.90687925	0.74325246	0.87019575	0.43863207	0,48337215
Deschalanda L'ambaco	10.0611734	0 9213542	1.4267728	1 1759274	0.9474228	1.2052065	0.93675584	1,3009627	0.9651586	1.1765392	0.5333275	1.0978456	0.9315088	2,5200539
Phase 1 RCT-136	1,1057508	0.99947788	0.8401099	0.8171985	0.96249396	1.0156314	1.153282	0.9413136	1.0655013	0.8748218	0.8978253	0.6685307	0,7761837	1.0761565
Prese-1 RCT-137	0,9830013	0.84759915	0.7707565	0.6632699	0.7306966	1,0340786	1,0217241	1.0294142	1.0793111	1.0100483	1,0219486	0.7302831	0.00/7433	0.6133143
Phase-1 RCT-138	0.9113511	0.9188703	1.006721	0.8036438	0.9688378	0.9984215	0.92864814	1,0367659	0.97148883	0.3446187	DESCOULT I	0.7 302021	0.74456745	0.5761287
Hepatic lipase	0.6826787	0.87773764	0.72650178	0.5782324	0.60888124	1.1218385	0.9625698	0.9239979	0.9463527	0.1026713	0 92502444	0 8624641	6909682 0	1.147723
Phase-1 RCT-164	1.8865851	1.0693965	1.2155775	1.0502344	1.003421	0.91152936	0.9203208	4 026824	4 4025473	0 8431827	0.91938204	0.8269467	0.7066704	0.5681189
Acyl-CoA dehydrogenase, medkum chain	4 3455076	1,0691725	0.000000	1.1762885 0 73388065	0.37 143460	0.7730083	0.87258154	0.776988	0.90258574	0.83488095	0.7239762	0.35354602	0.5428635	1,245194
Guamione S-transferase YD2 subumi	4 0333074	1 201088	1 0658375	1 156588	10725926	1.0029055	0.9555284	1,0261704	0.94383764	0.88512963	0.84635204	1.1964006	0.88383466	2.0829124
Phase-1 RCT-166	1,1361979	0.7822107	1.0989224	0.90754956	0.8184763	1.0542107	0.8652179	1.0567375	1.0734323	0.9056312	0.7910674	0.56424266	0.75820535	1.4323363
Apolinocratein E	1.0120109	1.0342125	0.6687394	0.69054955	0.83901507	1.0186162	1.1579946	0.950652	1.0171405	0.92938143	13441764	0.7501206	1.1731261	0.3/62/204
UDP-quorranosytransferase	0.86990684	0.7687069	1.0391896	0.47483435	0.7930431	1.0049348	0.82430905	0.7762079	0.85582256	1.026923	0.5991504	0.538048	4 5592449	0.6264036
Glutathione S-Iransferase P1	0.89180076	1.109989	0.78829676	0.8528903	0.9364118	0.9339667	1.0326907	0.76352066	4 2279740	4 4046246	4 0722086	0.1314013	1 6337173	1 4795224
Disulfide isomerase related protein (ERp72)	1.0524738	0.9855161	0.82020104	0.76321554	0.6764314	1.0663837	1.034/235	1 1630006	1.23/0446	1 2043213	0 8390355	0.020291	0.85595757	0.77273893
Ribosomal protein L.13	1.0595105	A ROBSON	1.01643.50	0.7592834	0.86795926	1.4339638	1.3464643	1.2615108	1.1991496	1,180385	2,6089811	1.9174914	1.9963762	0.5994545
Letropassing	1 0140302	0.99702716	1.1079112	1,0289353	1.1341738	1,5841705	1.146921	1,5664406	1,2609458	1.618251	1,6584265	1.8583839	1.212021	0,49939537
מוולק ביינון וויינים לביינון בייני וריוויוויון ביינים לאווים		-				ļ								

									1,000,000	1000000	1 Socional	4 0000072	1 4500000	4 E4BanaA
Phase-1 RCT-3	0.9282918	1.0189129	1.027644	1.0880267	1.0125856 0	38372406	1.0436438	1.03/8549	1 1780748	0.2530101	1 0425473	0 6343663	0.5235048	68617237
Fetuin beta (Fetub)	1.1130111	0.8736825	0.78595637	91917384	1,85639744	4 0400000	1.05/01/20	1 0058484	1 1026609	1 0457914	0.8081385	0.649473	7820787	0.6733778
3-hydroxyisobutyrate dehydrogenase	0.9854849	0.9240088	0.96683373	0.8611910	1.000001	1.0400032	7640604	07604702	04770715	70823846	1 3484566	0 52957737	0.5532153	62161654
Carbonic anhydrase III, sequence 2	0.85884404	0.6552652	0.8442495	0.6020482	0.76335/6	1,701,300,30	4.40077005	0.37.304.203	4 0630496	10447054	0 8622089	0.5436755	0 56911796	66347325
Phase-1 RCT-10	0.9959249	0.820432	0.9998079	0.887496	1.0442735	1.16515/9	1.183/285	200000	1.0023400	0 6040953	4 AE3277R	14743	1 1660994	0.4701115
Alpha-2-microglobulin	1.25129	0.95916355	1.1005654	1.0586262	0.83/010/4	0.8055589	1032/2001	1,00001	0.3333011	4 0436 007	0 8505613	0 643006	4 0792165	0.8424009
Dynamin-1 (D100)	0.9744792	0.90012723	0.99/2/416		7861987	1.113/134	0.0054500	0.0000010	1 05011765	187159R96	0.89641	1 3323473	1.263798	1,7701812
Lysy oxidase	1.1530592	0.96390754	1.1542218	0,03044220	0.6160368	0.3003077	0.0351002	7800568	O R2R2145	1 255,9591	0 52551746	0.45476463	0.39006445 0.420	.42076557
Phase-1 RCT-252	1.0801078	0.862951	1.9593304	1.425232	1.450613	1 0630724	1 011961	1 07 19883	1.0404077	12045897	1.0187812	5655	1.0926772	1,1276152
Phase-1 RCT-29	1,084/521	4 045300	0 97090704	0 9378786	0 8388396	1 0527725	1 017562	1,1859204	1,088202	1,0853475	1.1598474	1,5155294	1,0590086	0.8601879
Phase-1 RCT-278	1,047,3313	0 0207447	1 0412788	0 9600571	1 1066391 (0.92704476	0.9796139	0.9441103	1.0199487	3,92048794	0.8136181	0.5823852	0.8104695	1.2932074
Phase-1 RCI-42	0.07 12707	0 9907747	1,125582	1,0950414	1.1616021	010783	-	0.9906328	0.9681707	1.0345908	1.1162666	0.86432385	1,0136821	0.8578011
Frase-1 RCI-23	1 0013485	1 0219748	1.0399243	0.99663645	1.019622	1,1055686	1.2382896	0.85756755	0.7672422	0.9167627	0.9348055	1.4556334	13594973	1.7173108
Cytochiome P450 ZC11	1 2073821	1.0321186	0.90790707	0.8736921	0.8218364	1.0112885	1.0688194	1.0459262	1.0439129	0.99163514	0.98999316	0.636147	0.85191315	-
TIMES I NO 1-202	1 0902777	0.9479859	0.87690324	0.829453	0.7695995	1,3404813	1.2303226	1.1682683	1.0991892	1.2805012	1.1020656	0.6819367	0.796/162	0.9246399
Complement lactor (CP1)	0 9176267	1.0970017	1.0408714	1.0058836	1.0299654	0.9249895	0.8857636	0.94875723	0.87413925	0.8852767	1.6231809	1254984	13308322	1.4740138
A similar barredako fadar 3	1 1841174	1 4645828	1.2486728	1.0715251	1.0396997	1.0964359 0.97522014	1.97522014	0.9552391	0.94648105	0.8898185	1.7816947	1.7727222	1.231608	1./054068
Coming telephonical records	0.94602968	1.0046736	0.9989738	0.9571227	0.8912541	0.9701622	0.9741653	1,0131148	8 0.96640974	1,0181396	1.671383	1.3634831	1.519562	1.0319128
Decent Dort 200	1.0401973	0.9939677	1.04399	0.9393881	0.99807906	0.9380813	0.9744469 (0.90099466	0.9569861	0.92240B3	0.7643685	0.5165652	0.7193102	0.7663351
Dece 4 DOT 260	0.89530204	0.9187394	0.97319806	1.0530398	1.0138126	0.9852872	2 0.98081726	0.9856601	1.0131525	0.98886216	4.533515	3.738828	2 2995514	0.9884219
Ina recognition planning the profits and a second that the second the second that the second t	0.85785747	0.94836503	0,92586535	0.98334754	1.0034567	1.0270617	1.0318418	0.8845413	1,2101266	0.87432855	0.6161139 0.40	0.40214333	0.5363564	1.0240556
MHC class Lantinen RT1 A1(f) alota-chain	1,300423	1.3803949	1.163116	1,3042239	1.2738571	1.0519833	1.0611438	0.9614006	1.1066346	0.83836097	1.5965864	1.6918462	11525/87	0.000000
Am sufformsferase	0.6302026	0.7948387	0.92881066	57335	1.1858885	0.92315483	1.0017977	0.9243936	0.9758415	1.1063622	1.58/9263	0.0001/300	0 0004404	78024485
Phese-1 RCT-171	0.96323	0.97335726	0.96110815	0.94338363	0.90516263	3884	0.9819197	0.9804053	1.0511828	0.9077408	0.6330569	0.0010713	0.0901494	0044400
Phase-1 RCT-83	0.97588557	0.93138266	0.79552054	1.0191678	0.6977184	0.8906724	0.9208072	1.262174	0.97407657	0.9061133	0.8/230414	0.0000000	0.4050400	0.5113300
Phase-1 RCT-270	0.9094623	0.7613346	0.7571247	0.6639367	0.8706854	1.004659	0.96907645	1.0862479	1.032531	1.13/3310	4 2750542	4 02025000	4 0607206	052705R4
Colony-stimulating factor-1	0.915319	1,0392236	0.9683428	0.95167744	0.98746586	0.86958015	0.9114207	0.88519144	0.91001610	0.0909241	4 9787048	4 9507085	0 99013036	1 2097955
N-cadherin	1.0878419	0.9351102	0.95247597	0.8956305	0.8518307	1.071978	1.0/0202/	0.0400333	4 00037040	0.00337417	0 6301064	0 8473117	O 7540784	70352596
Phase-1 RCT-62	1.0112696	1.0109726	0.9004656	0.888859	0.8915697	0.92/4402	1,027,0733	1.1930114	4 022226	0.03600175	10354824	0.843003871	0.8389551	1,0780158
Phase-1 RCT-22	1,028257	1.0696117	0.835546	4.0004040	4 0277708	0.09786478	1 0073847	1 0595969	0.9622789	1,0087639	1.0424607	0.96834207	1,0546159	0.9432427
AT-3	1.3910724	0.951/4106	1,0304010	0.0271435	0 952036	0 9475948	0 98699725	0.9782123	0.9793334	1.0205207	0.9364237	0.9858875	0.9827222	1.0475577
Phase-1 RCT-18	0.9143555	0.90429303	1 0322794	1 0002326	1,0295242	0.95702726	0.915875	0.99667484	0.9816834	0.9575957	0.99832267	0.8135947	1,0918111	1.1343591
Prisser RC1-123	1 0189318	1 1089534	0.65048295	0.7679197	0.65365225	0.916994	0.97145134	0.9078848	0.9585822	0.9820914	0.538414	0.5682845	0.51521856	0.57985528
Forithesian nitroperatity													20073000	27.27E
Incheside transporter	1.1493058	0.9144154	0.8602819	0.7700999	0.7430224	0.95756453	1.0186498	0.96540195 0.88358	0.88358223	1.0054461	0.7693682	\$136814	0.00294867	4 4245450
Gucose transporter 2	0.7949852	0.8645886	1.0127991	0.8444442	0.8098373	1.0784576	1.2098826	0.6939327	0.8653335	0.88838875	0.20433113	0.2022000	0.3923410	4 KRR4815
Multiday resistant protein-2	1.0577892	0.8515902	0.91827416	1.0690206	1.0685502	0.98019075	1.044/546	0.7865082	1 0854794	1 1084203	1 1118454	1.1937613	1,2354573	1.9205793
Multidrug resistant protein-1	1.0681944	0.88282937	1.07528	1.2234182	1.0000344	4 475544	1 0553066	1 0605435	11122832	1 0489576	12591026	1,3439734	1.4982793	2.6518228
Phosphalidylethanolamine-binding protein	4 4242628	1.0903333	0.93264997	1 0435437	1.0687058	0.9302011	0.88206434	1.0546365	1.0610362	0.95778408	12409182	1,0722592	0.8514746	1.467217
rrase-i Rui-100	1 0579704	1117511	1 1000801	1.1473912	1.083481	1,1198807	1.0078917	1.109724	1.0292616	1.0528102	0.90563476	1.1645141	1.0828799	21/8429
megnin beta-4	1 0712711	1 1099519	1.5760638	2.2428071	2.0678034	1.1602771	1.291317	0.86644995	1.0652562	1.1295148	0.38807315	0.7832167	0.7951453	2,4653735
World In Children 1900 County	0.9525354	1.1142666	3712	1.1825854	1.1069803	1.0330243	1.0549738	1.1345086	1,0220346	1.0812804	12486782	1.1703598	1.2436303	1.5/63462
Endogenous retroviral sequence, 5 and 3' LTR	1,3955696	1.1488041	0.871712	0.7848111	1.3080218	1.0959495	1.115426	1.0634186	1.098298	1.030//84	1.1568018	1.0/950/1	0.7183575	0.7840654
Phase-1 RCT-53	0.98775494	0.9719908	0.9462684	-	1.030528	1.0424008	9029207	4 0555070	1 0451170	1 001 6968	1 349192	0.8618035	12767946	1,0689591
Phase-1 RCT-54	0.937734	0.9574436	10345231	1.031622	0.9611937	4 007700EE	4 4328	0 07508234	0 9831165	0 9862737	1 351719	1.2432823	0.90261674	0.94104356
Phase-1 RCT-240	0.964187	1.0425202	0.8930166	0.9777758	0.91936/3	0.89565283	0.9102669	1,0069535	0.94431645	1,0455853	1.0920808	0.801667	0.88518375	0.62542665
Osteopontin	4 00733	0.50000	0.07139084	1 041304	0.99595207	12412578	1.260251	0,8555812	1.0544735	0.8871704	0.4804028	1.0688433	0.5311385	1.4599788
Organic anion transporting polypeptide 1	1.02/32	1 010005	1 0430236	0.995584	0.9536442	0.96368797	0.9856836	1222071	0.99873525	1,1359118	10,517168	7.0704064	4.074484	1,0600123
Phase-1 RC 1-241	0 9705736	1 1287715	1.0981865	1.0636905	1,035996	1.1487155	1.0856031	1,2354804	1.054411	1.189767	0.9387615	1,6388675	1.4935337	1,5739394
Cyclip-dependent kinese 4 Inhibitor P27idp1 (alternate										,	,	9 0040000	* 1046454	20069005
done)	1.178595	1.3135536	1.1118623	1,2328092	1.2711214	12121495	1,3799179	1.1316744	1.1011468	1.4012583	1,550503	3.0219307	0.0043434	1 2425984
Phospholipase D	1.228650	1.046997:	1.0042769	1.020341	1.0670581	0.9650188	0.9450356	1.0214796	0.05613613	1,20,000	4 5790047	720067	1 019554	0.95413285
Phase-1 RCT-39	1.124141	1.015326	1,0886611	1.0647274	1.0506914	0.85258864	4 0053174	4 0363784	1 0412412	0 9491845	13154436	1.110065	1.0422813	0.9850784
Phase-1 RCT-258	1.119478	1.069767	0.9959194	0.502050	4 4650405	1 074746	909999	1 0732472	10372754	1.1170837	1,8065592	1.9505999	1,7760825	12367666
Phase-1 RCT-113	1.018921	1.073154	0.8303013	0.8236333	0.7743746	42000986	1,1306351	0,7890137	0.8871872	0.88229036	0.6877329	0.64280677	0.7498799	1,1385665
Adenine mycleotide translocator t	0.875451	0.652905	1 2052558	1.3384336	1 2218274	1.257004	0.9824996	2.0107655	1.2542987	1,4324191	22,56248	16.332865	18.885124	0.41150638
April - 1 and gycoprotein MLC dass it apinen RT1 R-1 belachain	0.6455861	0.6695668	0.9454067	0.6253409	0.7202618	1.1489731	1,3446711	1.0051292	0.8839939	0.8482813	1.4008998	1.4280113	0.6641939	0.8507924
MITO GASS in annyon the transfer were														

Omanic calion transmeter 3	1 1394317	1.0479101	0.97470427	1.04791011 0.974704271 0.897867581 0.902316151 0.93027331 1.01762181 1.08664451 1.0734347	0.90231615	0.9302733	1,0176218	1.08664451	1.0734347	1.03967	1,03967 1,3145806	1,3100103 0,9366572	0.9366572	0.7041165
Hypoxia-Industrie factor 1 alpha	1,0276479	0.9347501	1.1260505	1,1260505 0.94569314 0.85677195	0.85677195	1.0521549	0.94922566	0.99875593	1.0521549 0.94922566 0.99875593 1.0135976 1.0141392 2.1242647	1.0141392	2.1242647	2.5066664 1,6497865	1,6497865	1.2368591
Phase-1 RCT-43	1,0009568	1.0583469	0.9538299	0.8419589	0.9610008	1.0496361	1.0496361 1.0822234 0.96033704	0.96033704	1,010,1	0.9805343	1.2635694	1.3429544	1,01011 0,9805343 1,2635694 1,3429544 0,8761677 0,9629539	0.9629539
Phase-1 RCT-45	1.0572413	1.1656793	1,1015718	0.9504773	0.8893825	1.0632848	1.0632848 0.9417759	1.0358535	1.0358535 0.97797155	1.049617	1.084387	1.6704034	1.049617 1.084387 1.6704034 0.99481434 0.8641112	0.8641112
Malate dehydrogenase, cytosolic	0.86200607	0.91025674	1.194133	12440665	12234036	0.9341894	0.9340611	1.0767184	1.0176072	1.1334363	0.98822865	0.42528486	1.0767184 1.0176072 1.1334383 0.98822665 0.42528486 0.6540846 0.72290766	.72290766
VL30 element	1.3631829	1.5273187	0.9411227	0.9411227 0.97075146		0.94981587	1.1709381	1.1650931	1.09933	0.76398915	1,3307316	1,5513877	1.09933 0.76398915 1.3307318 1.5513877 0.9401482 0.89040893	.89040893
Phase-1 RCT-189	1.1221116	1.0827692	1.0134245	1,0565412 0,89091456	0,89091456	1,1045413 0,9493267	0.9493267	1.12705	1.1081938	1.1706921	0.88109304	0.7599942	1.1081938 1.1706921 0.88109304 0.7589942 0.7987046 0.60922205	.60922205
Alpha-fetoprotein	0.9566591	1.1225623	1.0767351	1.026353	1.0178465 0.94741297 0.98195654	0.94741297	0.98195654	0.9978488		0.9561514	0.9561514 0.7304363		1.0507375 0.9136512 0.8777238	0.8777238
Calgranulin B	0.69777155	0.79312325	0.82426673	0.69777155 0.79312325 0.82426673 0.80200464 0.72683376 1.0479113 0.95597905	0.72683376	1.0479113	0.95597905	1.2637061	1.0835167	1.05923	1.05923 1.1343135		0.5577751 0.9648798	0.6123523
Tissue plasminogen activator	1.0453558	0.9862095	0.9866044			0.99756575 1.0166794	1.0166794	1.0547123		1.0490305	1.0490305 1.2129426	0.8792083	0.8792083 1.2442136	1.0335097
Phase-1 RCT-195	1.0421226	1.0421226 0.98139447	1.0272804			0.9987607	1,0028956	0.9934112		1,0570024	1,0570024 1,0932873	0.7888724	0.7868724 1.0248815 0.74509573	74509573
Liver fatty acid binding protein	0.7825871	0.9990473	0.9990473 0.73637625	0.869403	0.6423777	0.962485	0.962485 0.9878771	1.0562513		0.7775913	0.7775913 0.8133724 0.76206017 0.43131232	0.76206017	0.43131232	0.476585
Aloha-1 microalobulin/bikunin precursor (Ambb)	0.9178029	0.9178029 0.96758467	0.8363663	0.8124348	0.8124348 0.86341166	1.0023842	1.0023842 0.8792364	1.0660801		0.9471142	0.9471142 1.2146802	0.753554	1.000766	0.7994211
Phase-1 RCT-294	0.9690296	1.0418274	1,0700967	1.0578572	1.1078074	1.1078074 0.95278317 0.96344125	0.96344125	1.0584329	0.9765315	0.9688963 0.95262647	0.95262647	1.0350548	1.0687158	1.2199569
Phase-1 RCT-151	0.963202		0.9645839 0.8513446	0.9820003	0.9820003 0.8883823	1,0666069 1.0375398	1.0375398	1.1488409	1.1242697	0.9399206	1.4291904	1.178712	1.358139	1.1091337
Phase-1 RCT-158	0.96585083		1.0378313 1.0955437	1,0327219	1,0327219 0.9724584 1.1781633 1.0387026 1.0639029	1.1781633	1.0387026	1.0639029	1.0259333	1.0588988	1.0588988 1.1619487	1.0008414	1.3665321	1.4241259
Phase-1 RCT-221	0.91962653	1.0169015	0.9191205	0.8888701	1.0511945	0.9994119	1.0395994	1.0425329	0.9994119 1.0395994 1.0425329 1.0926871	1.0177222	1.0177222 1.0888729	1.1444511	0.9079188	0.9634847
Phase-1 RCT-235	0.98901063	0.9464768	0.9650613	1.0100391	1.051809	1.0381477	1.037269	1.037269 0.93454367	0.972176	0.979183	0.979183 0.9166682		1.3133769 0.9128911	0.6833937
Organic anion transporter 3	1,1040555	0.797064	0.9394665	1.3134749	1.15901	1.1716986	1.1842765	0.84528655	1.1842765 0.84528655 0.96846896	1.0475003	1.0475003 0.46640325		0.8297813 0.6340544 0.81210685	.81210685
Matrix metalloproteinase-1	0.8343246	0.8343246 0.90849864	1.0869126	1.0570588 0.85787547	0.85787547	1.0727559	0.9830374	1.1279216	1.0597799	1,0368247	1,0366247 0,7313246	0.9457606	0.9457606 0.83535385 0.77408797	.77408797
Urinary protein 2 precursor	1.0231919	0231919 0,9506279		0.7676255 0.72198254 0.60221195	0.60221195	0.9476535	1.0514728	1.0400233	1.0400233 0.95424324	0.9450388	0.9450388 0.90616214	0.7392176 0.73250157	0.73250157	0.3647058
Phase-1 RCT-212	1.0360703	1.0360703 1.0193738	0.9634308	0.9950288 0.9932917 0.88355476	0.9932917	0.88355476	0.9999468	1,0203595	1,0203595 1,0179217	1.0982866	1.0982866 0.83022213	0.7993874	0.7993874 0.8872975	1.2010728
(1) Gene expression data for 8 hour timepoint are														
presented as mean ratio of treatment/control for all 6														
hour predictive genes (Table 18).													1	
(2) Compound and dose abbreviations as in Table 1.														
(3) Individual animal number														
(4) Liver inflammation classification for compound-													_	_
dose group at 72 h; yes-necr, necrosis observed; yes-														
both, necrosis with inflammation observed; no, no histonathology observed														
(5) Predictive gene (as in Table 18 and as included in														
19010 20)														

Table 28 Expression Data for 6 Hour Timepoint (1)														П
П			,		П	T		MA1 480		OK BRARG	PRARR 20		PBARB 80 P	PBARB BO
	MET 1.3	MET 1.3	MET 5			NAL 45	NAL. 43	3654	1000	2822	2623	2634	0	2633
Animal Number (3)	222	223	222	223	7041		23.0	3		2	2		01	
Liver Toxicity Inflammation Classification (4)	9	2	2	2										
Insufficient factor binding protein 1	0.836329	0,68072593	0.4722701	0.6238672	0.9155845	0.9703859	1.0815454	1.4179277	1.2372787	0.9915605	0.914017	1.1060444	0.87410617	1.2568069
Gadd153	1.7123194	1.2044247	1,5656763	1.4602768	0.7791075	0.83704114	1.8379778	0.9951789	1.0247533	1.1156038	1.6162385	1.132.468	1.013142	1.10101.1
omic	1.6644868	1.6195909	1,6347424	1.6002514	0.9212689	1.2761987	1.0178604	1.119941	0.9038844	4 0742645	1.0651381	1 5922004	1,3001430	1 2695613
NIPK	1.7507889	1.5361422	1.1310045	1.0576954	1.0257678	1,2061241	1.3690506	1.1220500	0.0652244	0 86670975	0.7091564	10057555	1 1249918	1.2587708
Cathepsin L, sequence 2	1.0012062	0.82511115	1.328302	1.2226253	1.0222241	1.0717091	7071425	2 8051187	0.6506790	0.6321205	0.81506485	0,83736694	0.6587765	1,088914
Heme congenase	219719.0	0.8519/026	0.8000301	0 5422646	10476534	0 98403347	1 1953714	1.2668154	1,0482209	1.0670625	1.1010877	0.7723628	0.80661273	1.0653814
Mase-1 KC1-109	0.82207817	0.8713356	0 7859194	0.8506458	1.1189896	1,1093512	1.2077861	1.1491444	1.0622383	0.8216304	0.85512906	1.0316507	0.6603825	0.8236298
Aminocucinate hase	1 0245849	1.3214672	1,319276	1.4901671	0.998091	12113259	1.4027214	1.3859622	1.172175	0.8735927		0.69170743	1.1273544	1.9792662
DMA polymenses beta	0.7194482	0.7533247	0.6000021	0.99519515	0.99065403	1.0371908	1.1594164	1.0184084	0.9660873	0.9526808	0.93765604	0.99147046	0.8581015	1.0744135
Phase-1 RCT-103	0.8311026	0.90393865	0.82009894	0.91846186	1.171865	1.1650338	1,3321918	1,1319772	1.0624085	0.82503563	0.85018456	1.1653963	0.7460187	B4011227
Ribosomal projein S9	2,0038948	0.8672177	0.9067964	0.97628826	1.1809913	1,3458503	1,3619916	0.96883595	0.8093472	0.9995898	0.96983534	0.7124483	0.69193584	78633444
Phase-1 RCT-114	1.0185402	1,3465297	0.85173714	1,2035929	1.0987661	0.99644107	0.99461784	1.347446	1.0989066	0.9747658	1.0530599	1.0956564	1.0263621	0.945.255
Phase-1 RCT-15	2.1789854	1.4221032	2.5069609	1,5998527	1.240708	-	0.87575316	1.0327007	1,6196376	1,6505365	1.4562314	1.1055502	1.2842900	1 2450438
Macrophage inflammatory protein-2 alpha	1.1934859	1.3763627	1372251	1.4357891	0.8197635	0.98173785	1.1691839		0.39330923	1.1332320	2000	00202427	2000	
NGF-inducible anti-proliterative putative secreted	0.7670667	PCSORSCE O	0.47879976	0.7278106	1 0113196	0 82380754	0.86020285	1.0579156	1,0100541	12219512	1.0425868	1,038099	0.86180043	1.0103569
protein (PCS)	1 0898652	3 5378516	_	2 4857285			1.2588482	1,2083637	1.3506318	1,0483084	1,2551949	1.1673695	0.99391013	1.395865
Obsert DCT-63	1 1777838	0.95844394	2 1788466	2.478996	0.92923987	0.9250112	1.08473	0.95421876	1.2656754	1.1783778	1.0711067	1.1503358	1.1133709	1.0832511
Cuella Da	1 5387789	1.5053675	1.0807768	1.1643916	0.99189293	1.0709559	1,4885808	0.93849564	1.0108973	1,0065854	0.9875221	1.0472928	0.95431068	0.8345759
Phase-1 RCT-108	0.9192273	0.9629594	0.73955643	0.9211564	1.2063029	1,2021775	12615505	1,2249786	0.9782188	0.79176605	0.77630603	1.1852041	0.77668417	0.8652891
Phase-1 RCT-58	0.7495046	0.8713833	0.5890529	0.7367076	1.2265666	1.0376166	1,5391164	0.7696049	0.8721643	0.80429703	1.1902766	0.7454251	0.65871894	7.76dboo13
Phase-1 RCT-192	0.8391752	1.0480027	0.7732517	0.97044307	0.93361753	0.95863366	0.9909128	0.8497414	1.0798811	0.994519	0.9132524	1.1881644	U.BOSSAGE	1,0026763
Phase-1 RCT-75	0.9640312	1.0278354	1.1472554	1.1335636	1.2784487	1.2602512	1.1567805	1.083778	1.05/3826	1.000001	1.02010359		0.73030000	0.0082687
Acetyl-CoA carboxylase	1.0344888	0.68536234	1.0069206	1.0234956	4 1630802	4 4731042	1 0654403	1 0667025	0.88154525	0.8865271	0.84035504		0.8854996	0.83376324
Phase-1 RCT-95	0.9319039	0.9100414	0.80000430	1,0104307	1.1030032	1 0968051	1 01 13313	0.8143727	0.74127775	0.8222131	0.8821946	1.0239909	0.9996193	1.2681171
Cystatin C	0.701/3/0	1 014RR7	0 80842453		0.98502916	1.0414908	1.0148319	12372597	1.0190192	1.0418191	1.0214984	0.97357273	1.1563894	1,0542681
PRISSE-1 RC 1-49	A 62687887	1 041769	0 72062296		1.3985769	0.9493544	1.457924	1.5380927	0.4397172	1,5167454	0.97312856	0.7537116	1.1963968	1.0270305
Gaddes	1,0368172	0.9390753	0,7329065	0.9197177	0.94230765	1.137563	0.86838335	1.0540577	0.8857994	0.9784833	0.8524151	1.2099104	1,4333833	1,3959785
Phase-1 RCT-156	0.8878947	0.8949287	0.78214407	0.9963506	1.1509069	1.1793295	1,0452833	1.0505009	0.7797022	0.9135772	0.88453885	0.90503633	0.89564	0.8503864
Coffin	0.87555474	1.1884730	1.2282178	1.232546	1.2893893	1.1501024	1.0762517	0.9485283	1.0492737	1.0341263	1.0093924	1930501	1,014/094	4 0781776
Phase-1 RCT-127	0.9470899	0.9829892	1.016016	1.1130027	0.91277987	1.0839655	1.2140/62	1.0530330	0.03900049	4 0054483	0.00000	1 0055982	1 0331396	1.023854
Macrophage Inflammatory protein-1 alpha	2225218	1,730508	1.4021623	1,34/3021	0.04726023	4 0465122	1 0082033	1 0268971	-	12826557	0.9709471	1.1023464	1.0621527	1,0417241
Dhoest DCT.73	1 1285874	1350226	3 1.1141754	1,1966648	1.1238501	0.989459	1.0835642	1.0228536	0.9447477	1.0407711	0.98237276	1.053368	0.8918321	1.0223083
Gramine synthetase	0.8370655	0.901374	9 0.9709448	1.1017735	1.0163764	1.0810827	0.84409344	1266148	0.6483477	0.6585429	0.8646696	0.6893234	0.60809845	0.7349125
C4b-binding protein	0.8873498	1.237062	0.9423858	0.68996704	1.1483116	1.1230686	1.4638089	0.7374078	0.76137125	0.70830977	0.7911043	0.9865339	0.85/442	0.7346673
Phase-1 RCT-242	1.1058719	1,307180	5 1.0817133	1.5210397	0.8165627	0.8228148	0.9005507	0.9368073	1.0072488	1,0268921	4 0504050	1,1014900	1 0034884	1 0515954
Phase-1 RCT-50	1.3971759	1.4273190	3 1.4594349		0.891236	0.8853953	1.820/312	4 24 00024	0.33433044	0.0213413	0.96506	0 96261096	0 9845825	1,1908307
Elongation factor-1 alpha	0.859/6464	0.7646692	12659760	4.0555445	1.0000070	0.09531007	1 0781152	13164912	1,0090196	0.98526555	0.8468999	1.1624016	0.93173707	1,2336656
Inlegan belat	1.0443222	2344635	7 1 7112136	2 8907764	1 1054823	1 0940019	1.3046635	0.9256307	0.8701531	0.8417527	0.8466559	1.0119903	0.06086744	0.977224
Phase A RCT 59	1.0337437	1.206760	1,0969381	0.9339778	0.9202836	0.972082	0.87764627	1.0198094	0.90947115	1,1253064	1.0806004	0.99669236	1.0862748	0.98139197
Phase-1 RCT-76	0.6924833	0.81217	3 0.6397002	0.7919338	1.1091846	1.1853548	0.87383586	1.0566003	0.90035623	0.884154	0.75357646	0.9299845	0.822551	0.7872451
Ferritin H-chath	0.6263039	0.523388	9 0.57063437	0.7916933	0.965289	0.9285261	0.9881395	1.7217417	0.88301176	0.80993235	0.8515131	0.9591988	71689/80	1.1182120
Selenoprotein P	0.6425644	0.6405287	4 1.1787784	0.7751597	0.94027764	0.9177228	1.0118253	1.043234	1.2101489	0.9446181	78125051	0.941303	0 93691146	0.77090406
PTEN/MMAC1	1.048956	0.8566693	1 0.7659129	4 007273	1 0746561	1 0757092	0.9773997	0.94777125	0.8327148	1.0279021	0.8965928	0.8370789		0.78557118
Phase-1 FCT-214	1.07.00012	1 141577	0 7043	0.8244341	0.7296986	0.7227864	0.67581576	0.83062184	0.8893658	0.81794477	0.99849	0.76495034	1,0449495	0.92098826
Thurst Adole sunthese	1.351973	1 280336	4 1.298707	1.3412137	0.78032047	0.83526456	0.9589863	1,0577105	0,6528539	0.7385396	1.001714	0.7001616	0.7985852	0.58942523
Phase-1 RCT-13	1.0942375	0.6537128	7 1.154982	0.85020614	1.7468406	2.032957	4.4996753	0.60184133	0.868937	1,5271193	1.1060596	0.84244305	1.0822927	1.1942726
Nucleosome assembly protein	0.8848684	0.854456	5 0.965080	0.90095466	0.6828291	0.64432293	1.1037319	0.7618153	0.69232875	0.818627	1.1285776	0.9166316	1,7111B/8	0.8/02022
Chalesterol 7-alpha-hydroxylase (P450 VII)	1.0806594	1 0.8333877	3 1.358793	1.3904295	0.5793515	0.94090873	0.74912554	0.9356187	0.9315131	4 0180004	1 1276078	1 0825975	1 0984137	0.830077
Vesicular monoamine transporter (VMAT)	1.328116	1.683518	6 1.298285	1.2332784	0.61248523	0.58669776	0.6/89/25	0.70461353	0 8444658	0.9575865	1.0895789	1.1109056	1.001967	0.95009935
Phase-1 RCT-260	0.80/3/8	1,092607	10,0341/ CF	0.01003045	0.000000	0,0201020	0,10001111							

				0.000	00072747	0370070	1 2002001	4 4244760	4 40469	4 4220704	4 0072501	1 067811B	0 6694048	11867038
Phase-1 RCT-32	1.0811272	1 40832777	1.123/223	1 5929877	0.9683534	1,1160519	1.2666264	1.0945307	1.0180646	1.0978205	99802294	1,0474739	0.9465691 0	99394673
Perodsome assembly tacor 1	1 1891489	1 1661803	0.991453	1 0799471	0.64132875	0.6294979 0	96842015 0	97459656	1.015807	0.9513495 0	B4389263	1.0248638	0.945156 0	97836393
Phase-1 RCT-82	0.87536347	0.91526326	0.8834263	F	0.9266159	0.847594	0.8225609 0	91368103 0	.85055234 C	.94787747	1.0112163	3,96452254 (0.97924227	0.8893371
Matrin F/G	0.68585277	1.0761907	0,71284753	0.71633315	0.750396	0.8249091	0,786716	0.903985	0.9330095	1.0240278	1.1547861	0,963614	1.2386875	0.8599983
Phase-1 RCT-194	1.1856117	1.0735501	0.93867046	1,3349916	0.9742963	0.92293215 0	.99584794 0	99988824	1.129122	1.0133843	1.1735936	1.0225878	1.0775117	1.1333076
Phase-1 RCT-168	0.6242065	0.96783656	0.7510443	0.70917094	0.9810729	92630774 0	90453494	0.8856248	0.959666	0.9652228	1.0424203	12600000	4 0657 100	0.783333
Phase-1 RCT-119	0.72651225	0.6646422	0.4547555	0.46306536	0.80923184	0.9078229 0	0.76343913	4 0700600	0.074736	0 88296604	0 9798785	0 9036903	188378227	0.9810408
Carbonic anhydrase II	1.1744/32	1.01441/2	4 4584575	0.90039337	0.50044550	1 04008381 0	89465004	0.9917306	1.0209187	0.949201	1,0252062	1.0661938	1.1336715	0.9503766
Office 1 DCT 74	0 9262803	1 0715241	1 0643274	1.0670989	0.86773837 (0.81241715	0.8103629 0	0.94181174	1.0041296	1,0837991	1.0497049	0.9037051	3,83589023	0.9790472
Phoen 1 PCT-179	0.73734516	0.860205	0,6904762	0.6119467	1.2181811	1 2942263	1.3986197	0.9849422	1,0321391	1.0024121	0.8787526	0.9722288	0.9624073	1.0343386
Phase-t RCT-161	1.9659631	1.2933291	1.5659357	1.7074088	0.8985872 0.826	0.82659376	0.8613675 0	.95335287	0.9972942	0.8001935	1.0658565	1.0742984	1,0210888	0.9292739
Phace-1 RCT-207	1.065494	1.2976832	1.1162758	0.75132614	1.1035242	1.1265339	1,0290045	1.121846	1.0240494	1.1192498 (97574437	1.0157868	1.07653681	1.010465/
Phase-1 RCT-144	0.81790715	1.0888162	1,2009839	1.4401608	1.1579542	1.1704141	1.4015261	12898822	1.0576887	1.1004744	0.9508874	0.97578356	0.8046352	1.0001235
Phase-1 RCT-225	1,4475479	1.5049703	0.5220652	0.771519	1,2089598	2.2408903	2.0692575	1.1831052	1.1095155	79934233	0.9495663	0.7460682	0.80091376	0.5052134
Cytochrome P450 2E1	1.2908205	0.9595326	1.3030417	0.79767185	0.76504946	1.0111758 0	74275815	1.025/1/22	0.49/69482	0.0041/045	0.0348378	7000000	0.5165002	0.00000
D-1	1.7220719	1.6571474	1.2788585	1.5070465	1.1378957	1.1266406	2,565162	1.0404894	0.8784/82	1 0367602	0.90/910/	0.9.0039434	0 9095519	1 229932
Thloredoxin-1 (Trx1)	0.5159885	0.65566885	0.38702783	2024	1.0253559	0.96091113	1.15/4002	40208476	03470437	0.5403385	1 9155728	0.71254945	0.48809898	0.3055625
Carbonic anhydrase III	0.75/1603	0.5150/41	1,0308034	000200000	4 0000041	0.7.30411	06434045	1 004813	1 056612	1 1933537	1.0111678	1.0757179	1,0899802	1.1375809
Phase-1 RCT-140	1.5340102	1.505055	1.1509/05	1.0310173	0 0055155	0.80000043	1 0648857	57.577655	1 0585133	0.8847438	1.0160501	0.98134345	1,058996	0.9140211
Complement component C3	4 2558228	0.4 (300/3	1 0199665	4 115394	0 8858384	1 2858276	1,0520258	149165714	0.7567006	3.78222126	0.9062271	0.7781191	0.7188006	,64651525
Office 4 OFT 473	1 1628283	0 9367258	10471236	0.6689792	1.0640774	0.9950109	0.9113455	1,0369059	0.88159955	37528434	0.98350235	0.87982243	1.0213721	0.844719
2-methyladenine DNA olymediase	1,6485813	1,8186692	1.9539546	2,7354364	0.801464	0.87414634	1.0463102 (0.93810034	1.0460777	7.72856104	1.0576457	0.99283904	1.0483668	1.1320928
Peroxisorral multifunctional enzyme type il	0.9540434	1.3137789	12228757	1.4286499	1.3264323	1.0669152	1.2024528	1,1055452	1.244917	1,2219814	1,0305682	1.208624	1.069516	1,3685039
Phase-1 RCT-40	0.6684598	0.70607597	0,8084265	0.67480576	1.1213188	0.9700915	1,058306	0.9064109	1.0762416	0.8885903	1.0599844	1.0222068	0.934812	E0066404
Senescence marker protein-30	0.4271487	0.5167382	0.98713577	0.77028006	1.1746048	1,05583	1.0259887	0.7912152	1 83522844	4 07405	4 43835	0.712/0/46	0.5319546	1 1 109604
Cyclin G	1,660195	1,4946433	1.8336625	2.3144493	0.845467B7	4 002646	1.2021031	4 4 9 3 2 2 3 E	1,00011	0.8787901	13423421	1.0523821	1.0077443	1.3003591
Melanoma-associated antigen ME-491	0.9///0834	4 4707304	4 4220000	4 3750033	0.8482071	1 0093744	0.9688793	296660	98995703	1.0130025	0.9372432	1,0074894	0.94894075	0.905331
Phase-1 RCI-28	1.2783517	13627053	0.9964275	0.85523578	1.0458349	1.098714	1.0966991	1.0511054	1,0163149	0.9938058	0.9186198	0.9338301	0.9217837	1.1504043
Alcohol dehydrogenase 1	0.72294414	0.69570357	0.67491275	0.46945006	0.8443346	0.6926718	0.8908052	1.1076498	3.71936476	3.71810085	0.53916156	0.6191074	0.7682652	0.6332725
Stem cell factor	1,5282516	1,0995482	0.9289839	0.8150577	1.0106875	0.9234433	0.9274489 (0.79444885	1.012/119	0.043393	72673536	0.00000000	1 0416216	0.8628058
JNK1 stress activated protein kinase	0.7502209	0.6799138	0.57312425	0.615/2546	1.0620	0.0617881	0.03330/3	0.30142333	1 0950248	0.9056088	1,0006762	0.8863564	0.89160967	1.0778189
Protein tyrosine phosphatase alpha	0.91/4306	0.61847787	1 5971804	1 1171635	0.86482783	0.67754424	70200825	0.9551498	0.9814958	0.9040124	1,0063313	0.56559277	0.5382698	0.7552479
Prince TKC 1-55	0.8886622	0.79737884	0,72202843	0.9165605	1.1488587	1.2802948	1.2934208	1.1191027	0.844881	0.9887558	0.9719559	0.7648401	0.78204805	0.9093642
DNA toroisomerase (0.5620476	0.6377395	0.7508929	0.67407846	1.0025634	1.0271807	1.086332	0.8035574	1.0416996	0.90553045	0.9579684	0.987969	1.0252639	0.8357283
Phase-1 RCT-280	1.0299921	1.0263124	0.9802291	0.74689135	0.8659974	1.0292977	1,3050967	12253289	1.0432798	0.97398394	0.9826619	1.1020333	1.35/4/2	1.0501299
Superoxide dismutase Mn	1.0315026	1.2036241	1.0403733	0.813362	1,225496	1.153862	12095511	1.2610024 1.443678	1.1442118	13392687	1 2407404	0.95696026	0.74588037	0.9381945
Beta-tubulin, class I	1.255/0/9	C3CC007A	0.4570RT2R	0.3047372	0.85424685	0.9651608	0.8407726	0.45643038	0.8460788	0.58213055	0.95984614	0.6409259	1,0676128	1.0335757
Carbamy prospilate synthetase i	1 2564012	0.97581005	0.8749967	0.9345837	0.7653656	1,0611178	1.1033207	0.999477	0.9094525	0.8884314	0.74614954	0.9316368	0.93876135	3.98131615
Phase-1 RCT-141	0.84023505	0.95598364	1,0864388	1.3393389	0.856959	1,0321003	1.183969	0.8871122	0.9633621	0.98740005	0.948603	0.8376289	0.81732917	1.0050955
14-3-3 zeta	1,3138492	1,7261057	1.8024441	1.6705579	1.4222497	1,2357888	1 2314328	1.4446098	1.160863	1.0961487	1,005/34	1.2140523	0.9284404	1.1050334
Gamma-actin, cytoplasmic	0.7668456	0.85103357	1,7561556	1.3962433	0.0654911	0.63776994	4 2040342	4 2464084	1,0166377	1 004 BZBB1	1.0000000 0 R715409B	0 7609926	0 76675415	0.9259638
Ribosomal protein L13A	1.0756763667	0.6940989	1 0826741	1 0256275	1 1154289	10115529	1.3266541	1,2420413	0.97438574	1,0001286	1.0353776	1.1091285	0.9747716	1,3299857
Phoen PCT-64	2.3416471	1.917057	1,3282099	2,3091102	0.9800724	0.91214675	0.81852865	1.0352284	1,0641862	1.0689392	1.0900856	1,0990281	1.0326957	1,0285457
ofin	1.5608412	1,6319388	1.7008042	1,5959191	0.8109295	0.8299388	0.75471437	1,005337	0.83324134	0.8547856	0.8272472	1,520916	1.056755	0.9601368
Protein O-mannosytransferase 1 (Pomt1)	2.8088133	4.3035154	3,3481505	3.759344	0.93677944	0.9549914	0.87524647	1.2648683	4 4 8230418	4 4 728447	C.5485145	1.1233070	1 024046	1 1253643
HMG CoA reductese	1.6412959	2,444Z34	1 2624868	1.ZB0187.3	1.3283211	1 1354558	1 1432865	1.1356649	1.3972198	1.4572852	1.196203	0.99661744	0.854423	0.92134666
Phase-1 RCI-12 Interferon related developmental recutator (FRD1	1,1330030	1.1	1200 10021	2000	2									
(PC4)	0.69168857	0.6556312	0.7996874	0.78259325	1.1047945	0.98723567	12663137	1,0433071	1.218587	1,0111693	0.9902828	1.4182578	12900181	1.3345567
Glucose-regulated protein 78	0.44709954	0.39826566	0.6598588	0.45361066	1.4461757	1.3967707	1.9874556	1./956902	1 2069242	1,1635210	0000000	0 90200	0.36941743	D R5047996
3-beta-hydroxysteroid dehydrogenase (HSD3B1)	0.8232995	1.0041775	0.7312996	4 0055000	1.2033917	1,3490350	4 4474734	1 1628164	0 95261191	0.8699961	0.90946394	0.9849156	0.9677364	1,0682117
Caspase 6	1.3780/44	1.064221	1.1083107	1 1174746	1 118112	0.9038318	0 92418134	0.9053956	0.82105356	0.8587768	0.8560475	1.2024158	0.91003466	0.68372375
Phase-1 PCT-109	1.103641	0.9901083	0.8860568	1.0120423	0.9326422	0.9007457	1.0202954	0.98604095	0.966273	0.8798428	0.8983957	1.12448	1.0357467	1,0149838
Phase-1 RCT-34	0.66887206	0.81403214	1,1975708	0,83273983	1.8537018	1,5218847	1,3086714	1.0601436	1.0585179	1.0462052	1.1479174	1.0504084	0.8275412	1,01512/2

					0020000	, 100,000	000,000	1300000	4 222242	1 2052462	63740662	0.0557113	0.0778124	0 8497456
Phase-1 RCT-72	1,000445	1 0378003	1.2002431	1 250416B	0.9211102	1 0044435	0428089	0459358	1.09203	1,0301634	0.8849154	0.98499274	1,0208664	1.1916095
Pyrivate knase, misce	0 4881338	0 5291438	0.2978222	0.3058065	1 0555927	1,1258274	0,9312023 0	90044993 0	.83726865	0.8328182	3,82474995	1.0228855	1.0742836	0.8763961
Prisser 1 No.1-200	1 2239242	0.7671316	1.1730751	1.36372	1.1795952	1,061162	3.7532325	1.1250275	0.9269457 0	.94305164	1.0178698	1.0175357	0.97713995	.98120916
Cytochume P450 2C39 (attenuate done 2)	0.66487088	0.9182387	0.79649466	0.9007328	0.6560207	0.8295849 (0.6964395	0.7606688 0	.91396856	1.3575007 (.69450235	0.85872173	0.7410203	95972323
Phase-1 RCT-290	0.67688626	0.6564467	0.6254812	0.7471876	0.8157672	0.9804921 0.	64422303	0.5221686	0.7501612	0.8459731	0.9495555	0.8578922	1.3518783	1.1036231
Phase-1 RCT-261	3.4624605	4.0182724	2,0058105	1.7287154	12211367	1238771	1.4052309	1,1243541	1,0/69435	Separation of	96/3010	1,033373	1 2307804 F	01808715
Methylacyl-CoA racemase alpha	0.6256862	0.6584955	0.90746886	0.5269602	0.9678935	1.1089683	1.4021151	1415/639	10303301	0.003000	0.64360675	4 0010005	10/05/7E	P1877986
Cytochrome P450 1A2	0.8899848	0.94042987	1.5221454	36	2 0.84914446	0.7854505	0.940213	1.1010333	0 034 5433	412275	M0107	0 88566154 O 8058305	0.8058305	0 8303201
Phase-1 RCT-297	0.63363934	0.823006	1.3919449	1.1620013	1 08145432	4 0218447	0/1/301/ U	01023013 0 6468119	7941674	0.7769425	0.8186562	0.882571	1.072712	0.8938988
Monoamine oxidase B	0.6545481	0.7362535	0.53003400	0.56278414	1743771	1 0624982 0	95554066	0,9380062	1.2083331	1.2010149	1.3654865	1.0783489	1.0004617	1.2672204
Phase-1 KCI-264	20147614	1 3740038	982396	49374	0 65503407 0	76809347	0.8708816 0.920	92013735	0.6521976	1,69460084	50812227	0.71810293	0.7923243	0.7027285
Peroxisome profilerator activated receptor gaining	0 90708786	0 9464901	0.80185497	909	1.0281646	0.9723011		51894	0.9961842	33564516	1.07772401	0.9292618	8 0.99328244	1.0888757
Phase-1 RCT-143	0.92363906	1.3679528	1.3629075	1.2241833	0.9431628	1.0646089 0	72918576	0.8814908 (.96945685	1.2016183	1.0714338	1.0263972	3.99463654	0.8854693
Phase-1 RCT-117	0.7091707	0.7156538	0.88237196	0.8751883	1.1213766	1.4587735	1 2295831	1.0211387	.87169904	1.0952572	3.65567267	1.0583669	1.2652553	1.1577972
Citathino Stransferace (hela-1	1.513898	0.9410278	1.1586431	0.97495645	0.9993784	1.1237819	1.1111563	1,0331129	0.9848982	1.3352971	1.022616	0.9186011	1.1060117	0.9601234
Phase-1 RCT-91	0.8433388	1.1445111	0.5692692	0.8209935	0.9242827 0	91380954	1,0018083	0.9874414	0.918514 (0.93617016	1.1000109	0.7498535	0.8585029	95577276
Phase-1 RCT-148	0.78239834	0.8359488	0.9375774	0.7666193	.93585914	0.983741 0	79791564 0	.91472965	0.8/51215	0.818/3125	0.98389520	0.76478034	1,022220	1.0220133
Phase-1 RCT-142	0.76163995	0.87828475	0.58083475	0.80510837	1.0877517	1.0421884	1.1889384	.98061967	195214397	0.3420318	0.97430303	* POOD 100	0.30213260	95/07977
Activin receptor type II	1.4842508	1,2500588	0.75292397	0.88384175	0.8821385 0	90347475	0.8474196	1,0498/06	0.8093544	1.1292398	0.000000	1,00/4044	4 5570050	4 0376634
Glycine methytransferase	1.0933883	0.96838486	0.94Z71916	0.8122053	1.1787902	0.9971812 0	93294317	6/242485	1.1/10802	0.6542/4/6	1.1880300	000743300	1.33/0030	74764406
Phase-1 RCT-281	0.8991018	1,0037649	0.7389951	0.8511354	1.0517255	1.198632	0.742138	12042333	0.0003334	0.00400000	0,0049000	O GRANKEZK	O ROUZZIA	98190385
Ciliary neurotrophic factor	1,0285549	1.0201093	1.1713341	1.191759	0.8493797	0.77968.0	3/044/34	07016776	0.0000.0	200	-	Name of the last	20170	
Gap junction membrane channel protein beta 1 (Gb1)	4 0817757	1 501262	0.9252150	1 5182887	0.8523323	75418264	0.6822833	0,8498056	1.1755048	0,83126485	1,0601798	0.8325559	0.81082785	0.6889904
OF 4 DAT OF	4 1755446	1 0340674	0 9607828	0 8321876	39056086	1.0155847 0	0.98185253	12542443	38285474	1.0544349	0.94128436	1.1451203	1.0100305	.06459824
Prase-1 RC -30	0 04643046	4 408475B	1 0800303	0.91510206	1 2305877	1,1143019	1,1611038	0.9759294	0.9744274	0.89765334	0.8774621	0.99165744	0.8884593	.95267075
Phase-1 MCI-20/	0.54643913	0.71058196	0 7897046	0.9213121	13006357	1.1156769	1.4088824	1.099251	1,1596297	1.1316397	1.2650121	1.0039735	1.3129021	1.4945108
New the state and Oak sufficient	0.65543437	0 87748605	0.7242827	0.8311294	1.0094128	0.9236221	1.0433558	1.0798174	0.9065646	0.8080562	0.7678183	0.78474104	0.9016081	1,89567417
Condecord	0.7349092	0.7331303	0.86253214	0.94127285	0.93117136	1.1573275	1,1749185	1.186245	1.2185044	1.0414625	1.1965708	0.85364544	1.0511392	1.116971
Ciathorin	0.97928196	0.9445125	0.99466056	0.9495119	0.9803015	.99821645	0.9742066	1.0868413	1.0470575	1,1306802	0.9380596	1.0769403	0.8928064	1.0790871
Phase-1 RCT-145	0.9787003	12005498	1.0518095	1.2906944	1.046839	1.1068642	1.4088962	1.1692531	1,0596575	1.1227107	1.1209031	1.0212028	0.9094728	1.1196778
Axin	0,65535986	0.8354813	0.4635893	0.5928045	1,0315092	0.9993489	0.9907697	1.0247663	1.0535866	0.85366347	1,05/36/1	0.63/18/3	1.03450	0.000000
Phase-1 RCT-89	0.6807467	0.8221394	0.57421243	0.55267817	1.0136151	1.0307946	1.0016055 (99147636	0.9278125	0.9223046	0.97.26594	0.0430516	0.3040304	0.303030
Sarcoplasmic reticulum calclum ATPase	0.40898532	0.43735805	0.79813594	0.706964	0.97980183 (0.81540465	1.1012964	.98252475	3,96937346	0.923159	0.9/08613	1.0011283	0.0073349	0.900010
Alpha-2-macroglobulin, sequence 2	0.9336213	0.77068865	0.5716918	0.95470357	0.81127775	0.791016 0	.75127965	1.0257317	3,966/7135	0.8/405763	0.83316864	0.7777355	0.32227.0	1,1002/40
Phase-1 RCT-204	1.1313006	1.2013448	1.0251052	1,2979596	0.84955037	1,0157119	1.092109	1.0024334	1.0739672	1.0435286	1.1053118	4 472427	1.0444170	1.000000
Vascular endothelial growth factor	1.0817439	1.0452117	0.44816706	0.82592833	1.0655577	0.9852476	1.0886787	1.1356523	1,0042871	OSSOCOS: D	1.Updood	1.123137	10406333	2000
NADP-dependent Isocitrate dehydrogenase, cytosdic	0 60424886	4 0380357	A B020274	0 7750947	1 2033482	12194312	1.0507338	0.94355947	1.1168	0.9844763	1.0626094	1.031399	0.8522132	76672584
Oata binding ampain inhibitor ITC	0.8733835	0 63096607	0.8542165	1.3291136	1,1796921	12150329	1,6918637	1.2588832	0.9999957	0.8568028	0.82494915	0.67920226	0.6361281	3,91698576
Christiane Stransferse Ya	0.62662816	0.5742738	0.3688699	0.33842722	2,0397613	1.4118912	1.5995985	1.427603	2.2062316	1,3711325	1.279678	2.1838021	22658572	1,7650582
Enodde hydrolase	1.0633128	0.6799988	1.1345613	3 0.72598135	1.3642807	0.67757505	20785289	1.8112524	0.8517684	0.3197622	0.5256397	0.9745887	0.5602891	0.5624238
Insulin-like growth factor I	0.4892073	0.6794755	0.56825745	0.48817667	1.0623846	1.1509728	0.985795	0.7644418	13903(53	1.1205053	12186/8	1.124///3	0.88/69/2	1.146.2318
Prostagiandin H synthase	2.6919777	2.1067755	2.818996	1.8140781	0.9182323	3.97326165	1.3476679	1.0088086	000/0010	1.0460424	0.0034739	0 84833036	1 0638295	1 0639246
Phase-1 RCT-136	1.0303597	12238114	1.1451194	1.0555849	1.1928358	1 4356764	1,337,0327	0.93003073	1 0245737	0 9739157	0.9468194	0.8318642	0.9083659	0.8324052
Phase-1 RCT-137	0.395039623	1 1384457	0.36/3300	0 98830235	0 99401367	1.0520701	0.9726292	0.8659941	1.1015581	0,97515446	1.1984148 0.86	0.86049753	12234038	1,0749742
Hooste finge	0.56488353	0.66043484	0.8572713	0.6825987	1,1139351	1,0727698	1.0431303	0.8067633	0.81202036	0.96140003	0.75881124	0.9023725	0.9150425	7.72489655
Phase-1 RCT-164	12334721	1.2401263	0.91200906	0.99232227	1.3776314	1,3828396	1,2250646	1,1397808	0.94162035	0.9178356	0.9994004	0.97755148	0.9479802	0.8767635
Acvi-CoA dehydrogenase, medium chain	0.6677019	0.712811	0.775442	0.5165029	1.0062022	1.0425647	1.0380038	1.0607411	1.1197267	1.1571416	1.0067257	0.9833507	1.1080/4/	12303382
Glutathione S-fransferase Yb2 subunit	1.2352546	1.5200619	1,5568352	1.1822503	1,5519184	1,4411254	1.1022515	12000458	1.1660104	1,2328411	1202476	1,0309626	1.1363094	1.1001803
Carbony reductase	2.2845058	1.6922746	13938544	1.675211	0.9844334	12743556	1.4173197	1.32446//	4 0572700	1.0011882	1 1448915	1,026/045	1 5423602	1 1547556
Phase-1 RCT-168	1.0755028	1.204867	1,6565111	0.9/9434	1,59/81/2	0.720175	0 8331493	1.1331317 RRR45336	0.9787714	0.95143074	0.9323606	1.0213003	1,3004498	1,0034027
Apolipoprotein E	0.4802655	0.28743702	20000	0.0101010	1 0000001	0.123123	1 0030818	8446253	1 3077775	0.90296364	0.7716432	0.60789778	0.91718924	1.2028438
UDP-glucumonosyltransferase	0.7639050	0.61/43110	1 0055030	4 430037	1 137314	1 1781186	1 185593	1 210223	1.0265228	0,8730948	0.89482886	0.9821751	0.9911989	1.05591
Giutathione S-transferase P1	10.57 10540	4.001007075	0 500000	2 1066744	1 3463396	1 2690251	1.5570707	1,6337433	12163899	1.0529546	0.97619987	0.9747033	0.76903814	0.8345439
Discount emission 13	0.79840636	0.62578046	0.84768015	0.56910676	12711111	12101976	0.9266034	0.87834746	12486541	1.1665779	1,2300514	1.2188058	1.2160863	1.1378736
Contentaction	0.8332815	0.57454526	0.7323463	0.6938974	1.1174436	1,0405273	1.1858413	0.7385888	0.8684725	0.8746886	0.65886974	1.0817215	0.9644962	0.8515833
Inter-alcha-Inhibitor H4 heavy chain (18h4)	0.6006896	0.8768145	0.6150432	1.0286382	0.9794619	1,0596521	1.0615917	0.7122138	1.2481571	1.2400482	1.2785707	1.1357034	1311583	12908692
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		1	1	, occopy,	10000000	0 0000000	0 3530535	04557705	0 90777591	CE 7507 0	ACCCPR O	1 0648735	0.9972936	0.9153502
Plase-1 RCT-3	0.6880045	0 75015824	1 7620363	0.8892481	1.3576102	13279274	1.4985495	1.36231	1.258689	1.0942678	12774665 0	0.94117874	0.9913339	1.2477237
1 Indoméchuteria detrofrosses	0.7359413	0.6118841	0.8764586	0.6796811	1.0510501	1.06031	0.9663649 0	.97366345	0.9205315	0.8996143	0.9417648	0.99174833	1,1101117	.98334736
Corporary population of programme 2	0.6806189	0.658016	0.8417729	9 0.50400305	1.1870908	1,1022669	1.7044401	1.3100088	1.0912555	1.4300249	1.4932333 (0,91587898	1.1714113 (89773085
Obert 4 DCT 40	0 6156141	0.6590483	0.76309645	0.6914093	1.1270001	1.0537101	-	1.0888368	1.142099 0	93011814	0.8840015 (0.96227014	1.1465491	0.94614923
Alaba 2 microciptulia	0.47982398	0.4273612	0.24783957	0.36193335	1,5072446	1,1668125	1.3340999	1.0343412	1.9691252	0.8884201	12319419	1,6874764	1.1156409	1.4178399
Descript Otop	0.98905843	1,0061865	0.5450002	0.6571203	0.8978789	1.1635233 0	.93824285 0	.80784565	0.9352336	0.9118456	0.9061861	0.66917613	12090776	92765236
Condition of the condit	1.8440089	0.89042175	1.1548314	1,3317417	0.8198688	1.0654447	0.9223785	1.1217948	1,3132696	1.0469894	1.1483748	1,0701293	39127555	1.05/366/
Dhase-1 RCT-252	0.5298403	0.571209	0.33120272	0.3182122	0.8812636	0.9765232 0	0.86767817 0	.49917588	1.1965495	0.746144	12678814 (0.63092715	1.0797163	1,2831452
Phase-1 RCT-29	1.1958046	1,3636318	1.0660781	1.44911	3.96684706	1.0310415	1.0739625 0	92905295	1.0361936	1.1555445	1.1421708	0.97593683	1.166595	1.1092.921
Phase-1 RCT-278	0.90477383	0.8882974	1.1888082	0.8721113	1.2025443	1.1984538	1.2672336 0	89758086	1.0221738	89394884	18/C3138	7595078A	1.0019331	4447400
Phase-1 RCT-42	1.15392	1.3756753	1,2235794	1.1875983	1.1985972	1.0478749	1.1278402	1.1526212	12522556	1.2422477	1.0131301	1.1544433	1,097,0061	4 464004
Phase-1 RCT-25	0,8642038	0.975137	1.239729	1.0445331	1.0572994	1.047854		90571785	0.7559671	1.0644057	1.08182/6	0.9426/61	1.1341646	4 0764203
Cylochrame P450 2C11	1.1440213	1.4862922	1,4288344	1,5914791	1.1193879	0.675837	0.9075197	0.88335985	1.0133417	1.13540/6	1.123817	1.123300	7,000300	1,0709001
Physe-1 RCT-202	1.2017297	1.0056887	1,6071987	12149235	1.1709646	1.233031	1.114967	1.0544136	1.1851556	12159479	1.0826466	1.0441562	0.000	1.32600/4
Comformat factor I (CEI)	1.010039	0.934718	1.2058448	1,3455987	1.1136512	1.1916842	1.1033723	0.8423495	1.0449535	0.9375978	0.9740531	0.96678406	1.08/4332	103/80.1
Dealisanting self angles antioen gene	13691646	0.95045906	1341481	0.99503624	1,0171561	1.0910658	1.0994637	1.1698159	1.060467	1.0730444	1.060568	1,0893956	1.028/29/	1.123/04
Antication transcription factor 3	2 2322688	2350112	1,5404048	12147006	1.2879127	1.5620657	1.4774483	1,3906368	1.0668424	0,9287666	1.0418247	1.0840164	1211955	.98164606
Forel adhesion kinase (m125FAK)	1,0320194	0.9834468	0.9562978	1.004082	0.844397	0.9757326	1,0451201	0.98397696	1.0369568	0.9042841	0.9072232	1.0071753	1.009635	0.9193827
Dhare 1 DCT 200	0 791154	1.0177592	0.6327985	0.6860202	1.1613065	0.96617866	0.9535328	1.0071944	0.95909584	1.0390788	1.0353521	0.9744958	1,0363200	1.011/488
Dhara 1 DCT-259	0.92008275	1.1862891	1,0940374	1.586587	0.9082491	0.978485	1.0521483	0.9755864	0.99347216	0.8975887	0.9339441	0.9132807	0.90905344	0.8743957
bro-responsive element-binding protein	0.9408677	1.1735312	1,3065581	12206095	1.0088817	-	0.8734257	1.166402	0.9576453	1,084835	0.9665768	1.170347	1.0641296	1.0913563
WHC class I antioen RT1 A1ff) alcha-chain	4,330819	7.945626	2.1271622	4,445193	1.3668476	1.3390242	1.1774933	1.3408306	1227902	1.2196568	1.2059383	1.2455714	1,0230098	1.1611835
And sufficients ferase	0.66005576	0.4076282	2 0.48454466	0.439668	1.0396125	0.93231267 (0.67336833	3.57276785	0.5955485	0.6503314	3,71722126	0.7744424	1.028528	0.00000000
Phase 1 RCT-171	0.85388106	0.94320906	0.7741941	0.81234735	1.4884051	1,3013288	1.6597757	1.1734521	0.9601462	0.9135682	0.8954037	0.99219364	0.93211424	0.974982
Phase 1 RCT-83	0.8654317	0.9038514	0.5434355	0.80765486	1.2140597	1.0391792	0.90020514	0.9761489	1.0063341	0.92322016	0.9592914	1.1040738	0.85879296	UKSSA.U
Phase-1 RCT-270	0.63035	0.85348713	0.8087534	0.6133242	1.0632771	0.9553252	0.7021761	0.8454317	1.15/1403	124947	1.292048	1.0085881	123/6352	1.00000
Colony-elimitating factor-1	0.92629485	0.69811195	0.8334829	0.93724054	1.0550169	1.0282236	1.1311911	0.9167166	0.929981	0.9112636	0.8713937	0.84952994	0.985535/5	34040183
Nesdhodn	1,3507864	1,240853	1.155272	0.8623747	1.050051	1,2032954	1.0200118	1.045715	0.95678455	0.95253277	0.8859537	0.8290288	0.89540255	0.7643626
Dhose 1 BCT 62	0.74980414	0.8164732	0.6808347	0.51853603	2.073636	1.8037388	2,1894891	1.0964545	1.0150167	0.89778394	0.9252826	1.0427761	0.92338306	40.40% D
Dhore 4 DCT 33	1 048969	1,1033792	1.2806296	1,0603995	1.1253742	1.1237606	1.2821057	1.1691911	1.0794132	1.0978909	0.975706	0.94959193	0.95654935	1.11204
AT.3	0.9593796	1.074381	1.067379	1.1921375	0.77426344	0.9204636	0.9644585	0.8813297	0.91287506	0.86670168	0.832455	0.9636016	0.91384816	0.9201775
Photos 1 PCT.18	0.9659801	1,2029899	0.99119014	1.0924424	0.9344946	0.87063396	0.8300904	0.88384414	0.9226731	0.93065774	0.96033496	1.0258609	0.9328029	0.8859189
Dhoca-1 RCT-123	1.0553668	1.214826	1.1031317	1,336416	0.97226346	1.0026666	1.0484949	0.93904227	0.9714688	1.0018218	0.9965871	1.0039306	1.0140212	0.8933342/
Phase-1 RCT-66	0.6240297	0.9235355	0.5691347	0.6795593	1.029664	0.92807895	0.93584347	1.1536245	0.916/308	1.1710923	1.1928631	PC2CB155.0	0.6019516	1,000000
Fourtheative ntrobenzythiolnoshe-sensttive									-		0,,,,,,,,	, 0000000	1024300	0 0407757
nucleoside transporter	0.8096347	0.97634417	0.509056	0.7727871	1.1795865			0.83483824	111387	0.80566216	1.1103445	1,0089708	103351707	4 0562552
Gucose transporter 2	1.0452044	0.61666954	0.8643968	0.5052842	0.8831169 0.93231225		0.90271485	1.1677964	0,71346766	0.8455133	0.7791424	COALCOL I	1.0344114	1,0362332
Multidrug resistant protein-2	1.5835918	0.987923	1.7852443	1.6454692	0.90404755	1.2027162	1.017589	1,3317989	1.042263/	1.1406346	2007RCRO	14406400	4 4015085	4 5024/20
Multidrug resistant protein-1	2.107254	1,3304881	2.0118957	1,7787616	0.85703707	1.1743425	1.1707445	1.2568201	13327	1.223304	1,0/3/450	4 0000708	4 0744030	4 4720525
Phosphatidy/ethanolamine-binding protein	2,586446	3,4122264	2,591489	2.9450717	1.2487599	1,2396309	0.98743284	1.0697269	1.2844477	1.0053003	1.13/0400	1,000/03	1032664	1 4301184
Phase-1 RCT-180	1.2442576	1.8752587	1.7573256	1.5522829	1.1892733		1.3/9/89	1.2/4583/	0.035740	4 0730093	20003700	0 9379245	0 R766497	0 97384276
Integrin beta-4	2.201333	1.9604558	1.250502	1.8154522	0.5927684 0.63592154		0.6/811316	0.620330	0.300 19	4 2426068	4 44 46508	4 BB144B7	4 2072057	1 0575396
NADPH cytochrome P450 oxidoreductase	3.349848	3.8748348	2.5893364	5,3569537	0.9921904	3 3	1,2/0/100	1.1735373	0.04570475	1 0300886	O GEEAGTR	1 1430788	1 02/87/847	1.0298082
Waff	1.6312698	1.582933	0.9264205	90.55	0.04305077	40000000	4 0700707	4 9268544	4 0274132	0.5320488	0.8021252	0 54440546	0.65385985	0.5322968
Endogenous retrownal sequence, 5 and 3' LTR	1.4885308	1.18103/1	0.8541469	0.6242023	1.3340241	10503700	1 0201020	1 0920881	1 0398827	0.8644724	1.0024872	0.9794765	0.9151385	0.9255027
Fhase-1 RCI-53	4 0445005	4 2603664	0.84300095	10306453	1 037418	0.9611453	0.98708665	0.9418247	0.9855153	0.9792042	0.96495026	0.9310891	0.9796863	0.9135177
Passe-1 RCI-54	0.847489	0 9263541	0 7915419	0.82227695	0 94065446	0.88664037	1.0486939	0.96496207	0.9876895	1.072488	0.83003926	1.0981448	0.92147857	0.8375921
Ortogogith	0.65664446	0.76538825	0.40623417	0.8038479	1.1092268	0.9294121	0.9459456	0.6915704	1.0448846	0.92287636	1.0150333	0,92843515	0.9418389	1.0324789
Occasion inspending polymentide 4	1 4228727	1.1095126	1 1429197	0.7437346	1,2391324	1,0082593	0.87357205	0.8423517	0.99696404	1.1450701	0.941294	1.1366779	0.97977114	0.988771
Chaca-1 RCT-241	1.1017247	0.87139565	1,0296574	1.1100975	1.0174702	0.9474676	1.2046441	1.0035459	0.9715259	1.1826853	0.9844238	1.1558342	0.98098814	1.0839555
Tissue factor pathway inhibitor	1.3938491	1.3438711	1.1046622	1.1458532	1.1510161	1.155245	1.4603932	0.8668738	0.8695445	0.77247626	0,7968036	1.0247447	0.8955/26	Chesalas
Cyclin-dependent kinase 4 inhibitor P27kip1 (atternate		_		1	000000000000000000000000000000000000000	1000000	0 7544784	4 0500380	4 2400BB	0 9763734	1.1464995	1 0612297	0.8926288	0.89841497
done)	0.6233007	0.79350414	1.115694	0.49626568	0.00342023	7780804	0 6868173	0 891782	0.8550276	0.9086484	1.0091966	0.845316	0.8109726	0.60854167
Phospholipase D	1.0514065	1.041808	12316091	1,5113,47	4 4077636	4 00733	878970	1 1422258	0 9229092	1 0950398	0.951811	2,371,335	1,6647689	1.765604
Phase-1 RCT-39	7129513670	0.9/48/94	4 4400047	0.0050500	4 0750366	4 4283535	1 2382799	1 0514934	0.9977836	1.0673891	0.5313848	0.94821715	0.9986719	1.1263099
Phase-1 RCT-258	2014102	4 00004	1.1100047	3070000	1.07072062	1 1147870	1 2919083	1 0976791	0.998	1.0236105	0.9403292	12148859	1.0208243	1.0436547
Phase-1 RCT-113	1.38/4/04	1.390044	0.9730030	0.8325700	7081484	0 80759335	0 8263567	1 037866	0.7510333	0.8372229	0.8061164	0.9534563	1,0131316	1.0779389
Adenine nucleotide transfocator 1	0.6509331	0.5073316	0.23015696	0 62137747	1.3419378	1.3495407	1.0290672	0.8708566	0.78193784	0.8811256	0.9440592	12958145	1,9845423	1.2261888
Apre-1 and grycomoran	1 1009408	1 022390	1,0680913	0.9600432	1.0011101	0.65504808	0.719783	0.46171045	0.6278452	0.9755329	0.5134073	0.5402667	0.9742558	0.7350004
שווער ממנט וו מווחקשו אין ויידיו ועייי שמע איוויי														

Organic cation transporter 3	0.68354964	0.7277657	0.7277667 0.61789745	0.8204596	1.1177176	1.1168022	1.4122303	1.0411382	0.944313	1.1208323	0.9772521	0.9772521 0.82598513 0.78140414	0.78140414	1,1008978
Hypoxia-Inducible factor 1 alpha	1,3381337	0.6180661	0.6180661 1.1214864 0.73088825	0,73088825	7670886.0	0.8882411 0.71790385	0.71790385	1.2306057	1.0115057	1.0164053	1.0439649	1.0584939	1.0261822	0.8147167
Phase-1 RCT-43	0.9426714	1.0764484	1.0764484 0.77852345 0.90752745	0,90752745	1.1442614	1.1565794	1,0033199	1,1594151	0.8174691 0.85265844	0.85265844	0.7830469	0.7830469 0.99957174	0.8279084	0.8224149
Phase-1 RCT-45	0.8061843	1.126388	1.126388 0.83447105 0.81683004	0.81683004	1.0509778	1.1557294	0.8141105	1.0407311	1.0407311 0.92203754 0.97102636	0.97102636	0.87899	0.87899] 1.0014423 0.95903254	0.95903254	0.9042856
Matate dehydrogenase, cytosolic	0.7645378	0.77004236	1.0912995	0.7645378 0.77004236 1.0912995 0.7828686	1.1821392	1.1306676	1,0460466	0.9046779 0.98781437	0.98781437	1,0121143	1.0858934	0.8557958	1.1308695	1,2515558
VI.30 element	0.9695491	0.8257926	0.6546513	0.9695491 0.8257928 0.6546513 0.47096278	1,3616385	2.307972	2,6532068	1.8977772	1.3495748	1.8977772 1.3495748 0.7682107 0.86744267	0.86744267	0.2205364	0.5697273	0.4995103
Phase-1 RCT-189	0.6465153	0.7383066	0.67419195	0.6465153 0.7383066 0.67419195 0.43758273	1.3345271	1.3631219	0.927601	0.9132508		1,0343769	1.3175889	1,2964108 1,2345462	12345462	1214932
Aloha-fetoorotein	0.7962147	0.72049004	0.9540148	0.7962147 0.72049004 0.9540146 0.90202326		0.8944751 0.87947595	1,0094999	6396536.0		0.971577 1.0031041	0.9300372	1.0144621 0.87764144	0.87764144	1.1263125
Calgranulin B	0.63317317 0.55597436	0.55597436		1,2319995 0.57112426	1.1410139	1.0056099	0.8134155	0.8134155 0.9823921		1.0310227 1.2100357	1.1849118	1.1849118 1.028953 1.2354156	12354156	1.0545167
Tissue plasminopen activator	0.97943896	0.7160507	1,0620096	1,0620096 1,0956987	1.1008656	1.0425485	1.0817153	1.0141226	•	1.0714087 1.0357445	1.0286754	1.0918027	- 1	96517295
Phase-1 RCT-195	0.73934406	0.6597861	1.106229	1.106229 0.96819457	0.924049	1.0090712	0.935907	1.0145442	1.026949	1.026949 0.9247297		0.9904101 0.86322427 1.1485465	1.1485465	1.1178883
ding protein	0.45373502	0.5824368	0.28161848	0.5824366 0.28161848 0.40435043	0.8947623	0.8444495	1,0373129	1.0518979	1.1177163	1.0117992	0.91337323	1.0117992 0.91337323 0.9235354		.63044034
Aloha-1 microdobulio/bilgunin precursor (Ambo)	0.88030976	0.7851071	1,3181418	1,0382215	1.1811773	1,1730819	1.1417236	0.9590226	1.1908444	1.034152	1.1596669	1.1596669 0.99771905	12380564	1.3006922
Phase-1 RCT-294	12559074	1.3753184	1.4836444	1.499075		0.8101049 0.8653186	0.8317578	0.8317578 0.91237485	0.9124246 0.93131864	0.93131864	1.0316076	1.0316076 0.89416876		0.940107
Phase-1 RCT-151	1.0692985	1,3243518		12579085 1.5136884	1.1128789	1.0685163	1.1128789 1.0885183 1.0967273 0.9262174 1.0607349 0.9494041	0.9262174	1.0607349	0.9494041		1.0001954 0.9213015		1.0115825
Phase-1 RCT-158	1,3882629	1.4580089	1.1718903	1,7792407	0.8271152	0.9441873	0.95172364	1.1059103	0.97093076	0.9441873 0.96172364 1.1059103 0.97093076 1.0444762		1.169966	1.0786289	1.1020813
Phase-1 RCT-221	0.866753	0.866753 0.97916293	0.7351127	1.266469	1.149695	1.1092149		1.1519644	1.1374173	1.2413803 1.1519644 1.1374173 0.9908309		1.0092374 1.1652727	0.8120102	0.9507652
Phase-1 RCT-235	0.6973359	0.8710761	0.8710761 0.55319184	0.5581737	0.5581737 0.99378085	1.0562432	1.091417	1.3451985	0.93068933	1.091417 1.3451985 0.93068933 0.8195172	0.7595279	0.9630857	0.9630857 0.75105083 0.77638406	0.77638406
Organic anion transporter 3	0.9515091	0.9050774	1.0390791	0.7446124	1.2761682	0.79709184	0,5444276	0.6444276 0.72139406 0.91021734	0.91021734	1.1722693 0.92010754	0.92010754	1.1197848	1.3231108	1,005603
Matrix metalloproteinase-1	0.78346586	0.67704034	0.78346586 0.67704034 0.66327715	ı	0.964018 0.97559834	1,0129212	0.9481756	1.5933832	0.88822474	1.5933832 0.98822474 0.91320807 0.83509288 0.95750326	0.83509268	0.95750326	0.8918539	1.035769
Urinary protein 2 precursor	0.39163977	0.4527962	0.17533506	0.4527962 0.17533506 0.28704858	1,1325573	0.83462965	1,1325573 0,83462965 0,89994737 0,76060677 1,0598806 0,70407856	0.76060677	1.0598806	0.70407856	0.7439325 0.84426564	0.84426564	0.7618801	0.6387593
Phase-1 RCT-212	1.073962	1,2615035	0.6664614	0.6664614 0.86406434 0.97652584		1.0290979	0,9600404	0.902106	0.902106 0.83428925 0.95322907	0.95322907	1.0466273	0.878644	0.9374952	1.068466
(1) Gene expression data for 6 hour timepoint are										_				
presented as mean ratio of treatment/control for all 6 hour medicitive cenes (Table 18).						<u> </u>								
(2) Compound and dose abbreviations as in Table 1.													_	
(3) Individual animal number														
(4) Liver inflammation dassification for compound-														
dose group at 72 h: yes-necr, necrosis observed; yes-		_												
both, necrosis with inflammation observed; no, no		•				•								
histopalhology observed											1			
(5) Predictive gene (as in Table 18 and as included in														_
Table 26)													1	

Table 28 Expression Data for 6 Hour Timemoint (1)														
	П	30,111	П	П	П	П	0003 030	0000		86.01	82 0110	96 0110	021 0110	Pr 150
Compound-Dose (2)	1324	1322	1323	1331	1332	1333	Τ÷	10	l co	21	22	23	3	32
Liver Toylcity Inflammation Classification (4)	9	QL					+−		2	00	0	2		8
Gene Name (5)									_			_		
insulin-like growth factor binding protein 1	1.0111321	0.97696185	1.0899327	1.1592891	1.1772097	1.1429492	-	1.2422513		33	0.90716624	1.0404902	1.4577785	1.0167514
Gadd153	1.088577	1.1995702	1.2666667	1.1693778	0.9951903	1.1755555	0.8387576	0.92665046	0.904284	0.71320814	0.7535/753	0.71633004	1,007,3354	73045705
C-myc	1.1015917	0.86513835	1.4398625	17452259	1 2805348	1.5///2/3	0.847279	0.79696298	2 5	0.90789795	0.77798814	0.8523917	0.9476356	76598775
Cathorela 1 continue 2	13567697	1 2381506	1.1990142	1.0164602	1.1912088	1.1516088	1,6093849	1.130862	1.9677271	1,5778209	1.1545951	1,6601537	2,8350549	2757117
Heme oxygenase	1,3839298	0.99140614	1,4129506	1.9575106	2.1336405	2,64749	1,3145466	1.9329306	1.0043232	1.373368	1.0865577	2,917187	1.071746	1,4373344
Phase-1 RCT-109	0.971308	0.8813652	0.9132051	1.1370656	1.0917772	1.1954769	0.8889813	0.8769499	0.8845661	1,532065	1.803887	1,3284392	1.7225769	1,518066
Phase-1 RCT-111	1.0472898	0.9466799	0.8516796	0.6423053	0.9030669	0.9075772	0.8326375	0.66706856	0.8485176	1205167	1.2445607	12729462	0.9892205	1.0602427
Argininosuccinate lyase	1.0991616	1.2501523	0.94467974	0.46041644	0.98590726	0.71932745	1.2533381	1.0671562	1.2071607	1.1946032	1.6347252	1,2926433	1.7954997	1.6071215
DNA polymerase beta	0.5621145	0.9366946	0.56897044	0.8098801	0.48961288	0.5105633	0.9424435	1.0941107	0.93142015	0.9550541	0.9530063	0.9039329	1.0828864	1.1444947
Phase-1 RCT-103	0.9854292	0.984906	0.8276082	0.5546427	0.7970781	0.7865046	0.8182794	0.68495323	0.8624109	122/3146	1.1218978	1.2002304	1 2084024	1.04+0431 4.3556444
Ribosomal protein S9	0.96067184	1.1890321	0.65840554	0.40620047	0.63671815	0.562436	0.95637345	0.9470715	0.85673803	1.0062384	0.5/2/5/2	0.0121865	12301924	700000
Phase-1 RCT-114	1.0236068	4 0654340	0.985962	15/55/25	1.19/2398	7 1263123	0.00018975	1.007.0001	0.910432314	1.1345271	13534527	1.3062831	1.1275568	1.2129607
Marrohana Inflammatony motein-2 airtha	1.0706942	1 2533404	1.3295642	1.456981	1,7901107	1,382,1354	2,942998	1,9564955	1.4132477	0.57191145	0.6779672	0.51922727	0.554804	2.1508055
NGF-Inducible enti-profiterative putative secreted														
protein (PC3)	0.60903597	0.52731556	0.59482676	0.44129336	0.49057007	0.56694096	0.93515503	1,3151006	0.9104847	0.7925483	1.2518446	0.8324394	1,0145383	1 2444400
Phase-1 RCT-191	0.42848608	1.0340756	0.659794	0.92686194	0.9524826	0.8443108	20020013	0.7802731	4 0000000	0.05276707	1 5409304	4 0470362	0 01013843	0.0478934
Phase-1 RCT-63	1.6574302	0.8365/285	2.356/054	2/6568/2	4.9370594	4.588UB/	1,021414	4 2280885	4 0460835	1 2882475	1 7917843	3 8	1 04597	1 1770906
Cyclin D3	0.8306502	1.136613	0024/070	1.9721043	1.1303283	1.1900012	0.9854704	74570874	A GORGESON 24	1 1528194	0 7781602	0 73317933	0 9440355	0.9657339
Phase-1 PCI-108	0.9524082	4 4367204	0.00300370	0 854604	0.30306107	0.51958376	0 83830845	1 091841	0 91983384	1.0359137	1.1369191	1,306207	0.8684007	0.76239624
Phase-1 PCT-402	1.0815539	1 0353295	0.07935	1	0.8228355	0.9167735	0.92337614	0.8643391	0.98274064	1.2670451	1.1306127	1.1950539	1.2619766	1.1805122
Phase 1 RCT-75	1.0436015	0.82158285	0.9922675	1,506634	1.1915759	1.1472889	-	0.81417006 0.860289	0.86028934	1.0412214	0.88120353	0,86454266	1.0479089	0.9401539
Acety-CoA carboxylase	1.42627	0.7682783	0.8757211	0.70938134	1.0590501	1.062048	0.9868784	0.92253745	0.9278464	0.99412453	1,3206025	1.4031831	1.014609	1.0395695
Phase-1 RCT-95	0.90393317	0.9783793	0.7422518	0,640323	0.7568754	0.55276784	0.8102191	0.5969594	0.8650491	0.80324644	0.78225493	0.7789395	0.9795736	1.0633922
Cystelin C	0.8324863	0.9985219	1.0296332	0.80769604	0.85619086	0.95636684	0.9869959	1.438816	1.1113524	1,3386316	1.535623	1.1/5/988	1.2654/9/	1.3018396
Phase-1 RCT-49	0.8601364	0.9219841	0.8275436	1.4815218	0.98780304	0.99263/2	1.0732799	1.065/1/	1.0138242	1.2230003	1.1UD0045	1 4470342	1.1503033	4645307
Phase-1 RCT-9	1.133858	0.71/01356	1.0003/09	4 564 7269	1.1335363	1 4865054	1,070,013	1 1800238	1 0598949	10560398	13325402	1.0159873	12725604	1.594505
Descent RCT/158	0.8788837	0.9595298	0.7086914	0.65256846	0.7462384	0.62909317	0.79690754	0,8972555	0.85590837	0.860619	0.98262674	0.9128111	1.0123678	1.0702616
Coffin	1.1570742	1,12839	0.78396255	0.5626527	0.79511625	0.9511941	1.0146745	1.2069871	0.95483273	1.096938	1,180185	1,3372662	1.0910318	1.137127
Phase-1 RCT-127	1.1731942	0.8746264	0.8630269	1.593747	1.0895053	1.2648574	1.1041766	0.97028404	1.0212334	1,0907197	1.0281411	1.0535955	0.81332725	3,80687636
Macrophage inflammatory protein-1 afpha	1.1438928	1.0980508	1.252087	1.3338223	1.1260813	1.1837777	12980744	0.95682585	0.7741137	0.7265/835	0.7015212	0.62624145	0.82/2222	0 8060000
Zinc finger protein	0.97919077	0.8665585	1.240842	0.69476086	4 26/0705	1 0440664	1.0505083	1.1622/32	0 9739715	1 1756834	1.4134628	1.3814272	1 225917	1.0566547
Passe-1 RCI -/ 3	0 BATTAA6A	1 338546	0 7741242	0.50566787	0.6727383	0.5808148	1 0054841	1 0304278	1.1833715	1,2668344	1,3885561	1,2699624	1.1902468	1.1897073
Cababiosis andein	0.73145384	0.9477621	0.6890364	0,68799686	0.5242738	0.63061243	1267755	1.3542994	0.9715494	1.2728775	1.2742926	1,4233519	1,0327133	-
Phase-1 RCT-242	1.0337737	0.9906266	1.1379157	1.7740561	1.4139427	1.1897812	1.1481904	1.3181925	1,0166258	1.056131	1.091847	0.99304414	0.94405216	1.0720447
Phase-1 RCT-50	1.1630429	0.95040005	1.4580588	1.4430426	1,6234882	1.1987605	1.0434972	0.93147177	1.0071452	0.9869505	1242203	1.1737882	0.99063647	1.1853511
Elongation factor-1 alpha	0.86473244	1.053152	0.5931522	1 62003756	22464143	1 6666036	1 0033206	4 4 107053	0.93112910	0 7730939	0.81248814	0 79830956	104777553	1 1413854
Transfer Decay	1 1830804	0.7652686	4 1222598	1 2228698	1 2861344	1 4935	1,9256322	0,90981317	1.0333562	0.8994616	1.2072899	0.9534307	0.7946878	0.8021681
Phace 1 PCT.59	1 0893652	1.024917	0.9174081	1.0365509	1.0070639	1.0950058	1.0884624	1,059504	1.0034807	1,1143671	1.1807536	1.1362777	1.2706876	1.1089526
Phase-1 RCT-76	1.0357732	0.9622956	0.7556598	0.96824753	0.8370369	0.9329317	0.7887555	0,66523135	0.82269716	0.9421683	0.88645756	0.8098272	1.0443976	0.9425172
Fertiin H-chain	2.283105	1.0329417	1.7181236	1.2340729	1.8780612	1.9226501	1.1510612	1.2411466	1.1021696	1.266814	1.5011648	13525403	12644123	1.1833645
Selenoprotein P	1.2481004	1,0482899	0.785249	0.5032202	0.6814637	0.98324525	1.160931	1.4238896	1,3380276	1,42623/3	1.3952539	1.032308	707427109	0.0455053
PTEN/MMAC!	0.9604628	1.011841	0.85785776	1,1653//9	0.68553/9	0.9723288	1.008/823	1.3428/42	1.900/000 A	0.0040500	0.7013402	1 0431243	0 94864947	0 94107BB
Phase-1 RCT-214	1.0071084	4 0640727	0.739197	0.47687833	4 0405424	0.9670943	1 0138153	0.96339643	1 0769457	0.91680765	0 9999994	0.99196833	0,69529253	0.7365396
This and the sumbless	0.07 607 94	1 1756895	1 402874	1 7747816	1 1288302	1 3777288	1 1043287	1.1647047	1,119215	0.6350414	0,71315575	0.5718552	0.6282539	0.76018053
Inymoyane Synusse	1 1765426	1.1647189	1 2482631	0.89159936	1.3822012	1.2546532	0.5985585	0.5676224	0.5848123	1.1687403	0.98045474	1.0697985	1,0275718	0.98260915
Nucleosome assembly protein	1.4712149	2.8556898	1.4146132	1.021456	1,4704812	1.208362	1.625757	1.770932	1.052492	1.9355768	1,2474529	2,1000085	1.2099686	1.8127214
Chalesteral 7-alpha-hydroxylase (P450 VII)	1.0234778	1,5508661	1.3181542	1,4044908	0.6983446	0.9411566	0.64324594	0.7116729	0.76214755	0.81921315	0.6519031	0.68001765	0.5105014	0.6832889
Vesicular monoamine transporter (VMAT)	1.0354602	_	1.3143101	1.34507	1.4229612	1,0561056	1.2112505	0.897669	1.183/136	0.8765732	1.059849	0.7398130	0.00/000	0.3307 1224 0.89006114
Phase-1 RCT-260	0.77804196	0.9023364	1.0113965	1.1/3/0/2	1.10/32/0	0.898942605	0.355(0455)	0.3020291	1.07 12.1	U.DIDIEVO	J. COCCOCO.	0.10000011	V.Der our ber	

Phase-1 RCT-32	1.1432043	0.85519004	0.914029061	1 59507851	1 7381517	1 0038778 0	91714424 0	90861094	1.0538156	1 5510481	0.8031281	0.8110078	0.96011883	1 2237376
Peroxisome assembly factor 1	1.0323083	0.99440926	1.4234952	1.9633785	1.5175608	1.4229635	1.0537329 0	87259704	1.0622061 0	85335374 (76731944	0.77089816	1.0260447	1.2696807
8-oxoguanine DNA glycosylase Phase-1 RCT-82	0.99240494	0.92591345	0.9662414	1,3476398	1.0543523	0.9289853	0.947355 0	91604406	1.0741043	0.7874155 (.69685507 .85825413	0.6841674	0.8569114	0.9105654
Matrin F/G	0.9739289	0.70478266	0.8424863	0.7260137	1.0770481	1.2583381 0.	96702224 0	77608234	1.2282654 0	85875255	1.1979508	1.2183241	0.8120259	0.8014531
Phase-1 RCT-184	0.567238	1.055461	0.6854646	0.49469396	0.5922131 0	.40222323 0.	0.83663875 0	95564204	0.8965138	1.2789512	1,239261	1.274277	1.0947924	1,2301239
Phase-1 RCT-168	0.8123817	1.1742411	0.6424666	1.0867578	0.6763883 0	.72768736	0.9039989	0.9983012	1.0997419	1.4144046	0.914677	1.3156062	1.3835254	1.2019238
Phase-1 RCT-119	0.8207868	1.1139419	0.8021287	0.45551002	1.0477946	0.9370368	1.0710961	0.8772182 1.27	8630	0.6911626	69719917 (88962243	0.48270375	0.5414503
Carbonic annyarase II	4 3700467	1.3090044	4 2003844	38	4 333033E	1,006/38	7786387	1.0032835 U	20/00	4 1066045	1 235570	1 030572F	1 0303844	94343004
Phase-1 RCT-71	0.73479474	1.0699549	1.0491813	0.9687803	10521528	0.9431556	0.987296	1.0058271	0.9996036	93842036	0.9716869	0.9555304	0.85140187	0.9863825
Phase-1 RCT-179	12333217	1.0883875	1.0033563	1.0451742	0.9882843 0	87168765	1.0124098 0	96322876 0.957;	95720935	1,2193669	0.975552 (0.85694844	1.5513654	1.5742469
Phase-1 RCT-181	1.243147	0.91958404	1,3384517	1.3796713	1.5315013	1.2478894	0.7341741 0	75393057 0	.68676984	0.8951613	1.0139214	0.9247528	0,8414747	1.0606225
Phase-1 RCT-207	1.0602763	0.8443131	1.1951059	12575887	1,5198549	1.1839384 0	0.85098066 0	96684396	0.9057024 0	77927417	0.703091	0.5536179	0.92618203	94778013
Phase-1 RCT-144	0.99910265	1.1174304	0.9827853	1.65814	1.1553274	1.1185299 0	0.90385133 0	93015647	0.8136091	1.0663658	79565275	0.9034071	1.3248376	1.3309369
Phase-1 RCT-225	4 0474066	1 005340414	1 6501350	1.0543327 0	92234623	0.9357133	0.6076081 0	03407486	0.5///3423	0.7495/395	7150/484	0.5892281	0.95//614/	1 9328736
Cyloditate P450 ZE1	1.04/4933	1.0001307	12611120	1.4/41321	1232/450	4 2652672 0 666064	ŧ ă	0.95107400	0.0909400	0.0303130	0.000000	0.077.0469	0.0040302	0200020
Thioredoxin-1 (Trx1)	0.9310074	0.839216	0.98423404	82561284	88133675	0.9318594		1.1778405	1.0454142	1.1316029	1,5981606	1.3663913	1.6787603	1.3549397
Carbonic anhydrase 81	1.7213516	1.1666462	0.71759766	0,5098476	0.6897191	0.6762102	0,5153954 0	83561176 0.2	23945059	1.1618223	0.605354	0.60088986	0.30557293	32899174
Phase-1 RCT-140	1.2391413	0.8978749	1.2201675	1.4656594	14337008	1.4096093	0.9546675	0.969325	9041814	0.90500337	0.7610446 (0.64539397	0.87798095	89712005
Complement component C3	1.0187556	0.89705867	0.6284253	0.3543118	0,5436027 0	57835364	1.011193	1.0758595	0.7849444	1.1679167	1.1743486	1.7250384	0.74021965	0.6443538
Gucoldnase	0.7165667	1.7143683	0.8938668	0.43423048 0	42877805	0.5431609 0	67163104 0	72892475	330616	0.6101243	0.6893839	0.5718501	0.52830046	0.7491081
Phase-1 RCT-173	1.0385271	0.8625199	1.1838685	1.0705867	1.2263881	1.1318431	0.8043281	0.8609598 0.95	.95294686	1.0073977	0.81194204	0.57879287	0.78009564 (.76734656
3-methyladenine DNA glycosylase	1.3880988	1,0822916	1.7572604	1.939452	2,6040714	1.6593521 0	99834057 0	87823087	1.0342689	0.7999411	74301076	0.8328836	0.67791873	0.8669892
Peroxisomal multifunctional enzyme type II	1.0454307	1.119119	0.89686224	0.90751714	1.2651827	1.0011868	1,063794	1.0823125	0.9851901	1.3593146	1.3733801	1.417047	1,5145717	1.1423458
Phase-1 RCT-40	0.8972715	0.90371233	0.72362818	0.45483604 0	.67871815	0.9790198	1.1825911	1.1886967	0.821732	0.8916234	1.097505	1.2539204	0.8926131	0.8909886
Senescence marker protein-30	1.80066/1/	1.1204833	0.50929046	18975109	303507/3 0	4 2044 020	40304542	20013601	4 0074000	CTAGOCAL O	74345676	0.63789005	4 6047767	2000000
Melanoma associated entinen ME494	0.05/3448	1,0009001	1.3323312	1.71/742/	1,504,6635	1.3311833	14365287	0 9511741	1 0840042	1 163345	1 1929628	1.0506158	1 0715066	1 1808499
Phase-1 RCT-28	0.99402434	0.94780445	1.4510336	1 9490992	1.4570285	1 2284898	1,102514	1 0313348	1 0750654 0	95205224	0.8219422	0.9544386	0.91903025	1.0687518
Emerln	1.0827245	0.8483466	0.9675309	12920823	0.9046095	1.0784153	0.9303685	0.9903262	0.9432057	12324685	0.9757874	0.9847849	1.0753324	D.8808404
Alcohol dehydrogenase 1	0.47733828	1.1842629	1.4324944	0.43861338 0	.40859848 0	58562976 0	.82795495	1,6157836	2.3386664	1.0786114	1.1048785	0.9850587	0.72383875 (62770724
Slem cell factor	0.88837266	1,0385752	0.8941948	.54952675 0	50560594 0	73273104	0.4953291	0.9225019 0	53597814	0.9755854 (95533656	1,00816	0.51940384 0	68678236
Divisio tunicina phoentatesa alaha	0.9020342	1 4044748	1 1533762	1 6673344	1 3370078	1 2353736	1.2/3//02	C/98071	1.6010031	0.7002/10	1.1104333	0.8550052	0.69609374	92085665
Phase-1 RCT-55	0.8525771	1.2611818	0.8335255	0.5310882	0.9505026	1.1775051	0.6549422	0.5763462	92438287	91012746	81605774	0.92121494	1.0833316	99984837
Ubjaultin conjugating enzyme (RAD 6 homologue)	0.9426815	1.0518057	0.65643334	0.6710243	62050676 0	.60197973	1,1180228	1.0648289 0	97500813	1.1630497	0.7036651	1.1223367	1.3116329	124775
DNA topoisomerase I	1.0304797	0.9989806	0.637692	3,40904692	0.5469732	0.5962006	1.1216801	1.2448287	0.9236388	1.1730697	1.1526027	1.6801039	0.78454447	0.6841924
Phase-1 RCT-280	1.0689518	0.8569488	0.7204538	0.4489199	0.7083872	1.0215383	1.114795	1.305788	1.1028528	97023237	1.0636455	1.1562618	0.9759067	0.9970338
Supercode dismutase Mn	1.071405	0.8789546	1.118839	0.941356	1.1316545	1.2891518	1.4026673	1.1485211	1.4382659	1 24 40364	1.35/8448	1.086616	1,5693503	2447702
Cartamy physicians synthetase (0.8638611	1 128195	0.82683663	44680807	1 074106 0	93969296	15049605	1 2698646	1 8348832	0.716109	0.7266661	10019431	0.47491983	49177533
Diacyfolycerol kinase zeta	1.0407083	0.86594653	1.1667539	1.4131889	1.0197732	1.0679245	1.0143887	0.9018737	0.9467386	0.810681	.63778495	0.7208378	0.98024255	1,0070215
Phase-1 RCT-141	1.1024103	1.2061467	1.1648794	1.6343912	1.0954407	1.3366052	1.5613998	1.2027136	1.0416032	1.1759837	1,0016094	1.1464907	0.9644302	0.9609263
14-3-3 zeta	1.12982	0.9454805	1.4821098	1.4955721	1.4282246	1,355797 0	76705813 0	.B5002565	0.8192508	1.1501281	0.6399084	0.71566385	1.3123472	5.873885
Gamma-actin, cytoplasmic	4 4680055	1.286891	1.2251987	0.46266776	1 2455900	1.0179112 0	0 90926965	44661602 0	2727578	1,0396633	733363	1.0596202	7.38/38/1	7304432
Noosaira pinan Fish	0.9706361	1.0570719	0.773755	0.86831176	0.8319932	0.9149495	1.0288937	0.9716819 0	88724005	1.1392039	12045201	1.4732015	1.176797	1.0985013
Phase-1 RCT-65	0.97353697	0.9196061	0.91880566	0.6280922 (.92147976	0.9800039	0.8353096 0	78196186	0.9521828	0.8271786	0.8493415	0.9684985	0.72224665	0.853315
c-lun	1.0440879	1.0323354	1.3379072	1.183718	1.7598337	1.3914863	0.9158442	0.9021527	1.126949	.61717578	0.66654426	0.542862	0.65473944	0.8615619
Protein O-mannosytransferase 1 (Pornt1)	0.96847504	0.8370483	1.4959221	1.1039135	1.6731662	1.8138875	0.6587553 0	70807403	88756025	1.394354	1.419673	1.0721742	1.4264121	1.1375471
HMG CoA reductase	1.0179889	1.0900193	1.2533758	1.2950616	1.1000133	1.3368388	0.8232638	78183943	1.014505 0	4 245,4000	4 27 4 22 4	4 2227404	4 4042677	9007067
Interferon related developmental regulator IFRD1	0.0090303	0.7 1343043	140000	1.4036104	1,484500/1	111111111111111111111111111111111111111	U.(030/25	00000	1000	0.00	700400	14421431	CONTRACTOR	. 100400
(PC4)	0.9290552	0.7158182	0.87922204	0.6316183	0.7354487 0	0.72172546	1.0183065	1.1218348	1	0.99654794	1,3189136	1.3860381	0.96136135	0.8344091
Glucose-regulated protein 78	1.1370182	1.1145056	0.65768236	0.8338366	0.5908543	1.0896945	0.0214439	0.9999571	0.7829144	1.6359787	1,0197016	1,3379989	12961355	1.133065
3-beta-hydroxysteroid dehydrogenase (HSD3B1)	2.663502	1.4742254	1.5543119	1,699762	2.792885	4 202762	0.8011006	0.8288512	0.8777147	1,0280991	0 808000	7.1331949	1.4/06545	4 247303
Phase-1 RCT-169	1,0000807	0.8884656	1.0351144	0.6997022	0.8865229 0	73000455 0	87941843 0	1.0000020 R2221055	1 2680169	0.6967915	0.720013	0.65093565	0.7454978	196776567
Phase-1 RCT-197	0.89722824	0.83655727	0.9335776	78228344	0.834303 0	78503543	1.1328113	0.915529	1.1441749	0.9955719	1.2469375	1.3207586	1.0216105	0.8816564
Phase-1 RCT-34	1.1258456	1.0851885	1.10860411	0.9133645	12194682	1.2850328 0	.89115965 0	.88376516	1.1890522	1.1823788	1.5438939	1.4535391	1.3084046	1.2930677

57 x500 7	4 4 4 9 3 0 5 0 1	000000	4 403665	1 1100000	4 4007003	CODOC	7 12000380	OCCORRECT!	910696451	182374805	0.8081779	0.8022819	0.8358537	1 0082793
Poncete kinese mische	1 2391573	1.0347295	1.1922473	1.1539663	1 2490314	1.1450936	1.1946273	3.96189755	1.1942214	1.6536213	1.3679624	1.636046	2.1904655	2.153786
Phase-1 RCT-288	0.8671398	0.9507059	0.9815131	0.89895564	1.1861205	1.0099355	1.192301	1,5527099	1.318691	0.993163	1.0845277	1.0851633	1.093711 (97937715
Phase-1 RCT-90	0.9897728	0.9144981	1.1582496	1.0873419	1.0931048	0.8937193	0.9580356	3.89167017	1.0145376	7.79539067	0.8214982	0.7912212 (0.67050266	0.9795315
Cytochrome P450 2C39 (alternate done 2)	1.0357327	1.2538536	1.0934596	0.26536748	142541644	0.3796345	0.8842151	1.7868392	1.3269448	1.2794954	1.1426038	1.7234975	1.5944669	1.3918762
Phase-1 RCT-290	1.1879808	0.5457887	1.016117	0.9479773	2.2084992	1.524138	2.2168322	0.7598683	1.6366665	0.5331273 (7.72564065	0.46383664	0.5422704	0.6239654
Phase-1 RCT-261	0.98461634	1.0423756	1.5716176	1.0047878	1.1127803	0.9639922	0.9158043	1.0088595	0.8699819	1.0927511	75206673	0.83700985	0.9943855	1,0012251
Methylacyl-CoA racemase alpha	1.0283377	0.94704217	0.89278723	0.41675815	0.8934175	1.0358816	1.2051945	1.657408	1,2501811	0.9309123	1.0489056	1.0926251	0.904011	4,0045300
Cytochrome P450 1A2	1.0135593	1,2250063	1,3996919	1.0165514	1.3132459	1.1657231	0.9199079	0.824577	1.199055	0.8801827	0.8438/33	0.66919/5	7.65888484	1.1315/38
Phase-1 RCT-297	1,2007958	0.95852077	1.2021941	1.1164916	1.1842914	1.1755172	1.0085293	0.8343084	1.138099	1.1653252	1.1352978	1.12091/	1.300063	2.0049137
Monoamine oxidase B	0.6429828	1.1572666	0.7545513	0.43981075 (57963043 0	70370644	1.1248411	1.313896	1.5884914	0.8398912	1,2502681	1.0/236/6	0.8019108	20001000
Phase-1 RCT-264	0.73624504	1.0077008	0.53906524	0.5643116		0.814805	1.2426231	1,6128932	0.8657482	0.965179	1.344266	1.13/86/1	1.1159463	1,0331447
Peroxisome proliferator activated receptor gamma	0.8680874	1.1782305	1.2805393	1.8910777	0.8805022	1.0774273	1.1057912	1.2795272	1.2582737	0.70315/07	0.5796428	0.6014168	1,3061214.3	71628380
Phase-1 RCT-143	0.9098114	1.0619979	0.80577815	0.61328	3.71301055 0	.45011634	1.0368531	1.0780122	0.9830031	1.1555228	12451797	1.2536876	1.106933	1.1823808
Phase-1 RCT-251	1.1351212	1.4312662	1.2738513	1.2419684	1.1370323	1.1041687 0	0.99256164	1.2305794	1.2859439	1,0059791	1,0346354	1.0046551	1.0294504	1.156/65
Phase-1 RCT-117	1.1838549	0.78938454	0.82524055	1.2925429	1.1398587	1.395122	1.1609622	0.72811425	1.2148902	1.1024011	1.139755	1.0716795	0.72915	0.6983436
Gutathone S-transferase theta-1	1.0247405	0.81827533	1.0443757	1.0321689	0.5732338 0	71145064	0.8407747	0.79333866	1.021025	0.7516499	0.7326561	0.60599655	3.67209624	0.7805281
Phase-1 RCT-91	1.0971608	1.0797566	1.1300784	1.2285955	1.1578045	1.0089387	0.9496775	0.826154	1.030492	1.0271915	1.1759986	0.9954936	12317235	1.0626837
Phase-1 RCT-148	56068696.0	0,8537481	0.9705102	0.89206004	1,0052775	1.0317422	1.070812	0.9989189	1.3628603	1.0520098	0.90524524	1.0187478	0.9111504	1.0988696
Phase-1 RCT-142	0.8948782	0.8972585	0,8519463	1.6129699	0.7379817	0.7518993	0.9635931	1.1634591	1.0308214	1.1138959	1.1388974	1.1535231	1270602	1.177231
Activity receptor type II	1.0105428	0.94028807	1.2458761	1.2893139	1.3550459	1.3708347	1.4498767	1.0637509	1.0233214	1.2714282	1,3938954	1.1609849	1,5254729	1.1688838
Giveine methyltransferase	1.0667388	0.97576207	1.5275662	1.0315429	2.3527732	1.2420052	1.5151902	1.1219771	1.7087504	1.3783327	1,5262526	1.5273746	1.0900857	1.1465003
Phase-1 RCT-281	0.97093594	1,03552	90687078.0	0.42361277	0.52098334	3.49527457	0.8754103 (0.85146534	0.97945285	1.1020621	1,072388	0.90476537	1.4097484	1.1780411
Oliary neurotrochic factor	0.9038951	1.0951402	0.8785607	1.6329819	0.51844907	0.6941247	1.0442452	1,3997266	1,3093231	1.0496889	0.81941205	0.92360777	0.8737619	90682346
Gap junction membrane channel protein beta 1 (Glb1)														-
	0.9935124	0.63377047	0.7580324	0.86088284	1.1386918	1.0308338	0.8515293	1.0663798	0.66303355	1.3870763	12691907	1.2636902	1.0650724	1.0103155
Phase-1 RCT-85	0.67262757	0.9257827	0.6012847	0.84079736	0.7227462	0.701987	1.0998572	1.135462	0.93373924	0.95992094	0.81321585	0.6605469	0.9354985	0.9599732
Phase-1 RCT-287	0.99601495	0,87353665	0.8285056	0.9576961	0.92489105	0.9330148	0.8642831	1.0928617	0.75089475	1.2428519	1.2888679	1.4175856	1.1620263	1.0603054
Refine binding profesor (RBP)	0.74397117	1.319217	0.7059709	0.46270248	0.6400554	0.57125986	1.1164458	1.2145616	1.143033	1.3613298	1,7741677	1.5839422	1,4579244	1,3210815
Very fond-their acyl-CoA swithefase	0.8167134	12765094	0.6298692	0.99137443	0.7033424	0,7382689	1,0032681	1.1755319	1.1901367	1.3148959	0.9897834	1,2415271	1.4905001	122149
Sunderen d	0.99544954	1 1339937	0.6171903	0.48419356	7225525	0.7748131	0.7419481	0.7732732	0.8508705	1.0230259	0.9909522	1.0802224	0.8416339	,83976394
Station	1 0794864	0.87999386	1.1895608	1.8433942	1,4073111	1,1959909	1.0324122	1.0477264	1.0312716	1,3391072	0.7791887	0.8175948	1.0714766	1.1338432
Phase-1 RCT-145	1,1299706	12445863	1.1725503	12725601	1.1528898	1.2497531	1.159368	0.97870237	1.0032083	1.0094881	1.0274278	0.9187018	1.1928287	1.1540875
Arin	0.8624198	0.9914983	0.80439496	0.6567092	1,0213041	0.94820386	0.9596664	1.0840485	1.0549903	0.89526194	0.98758376	0.9781731	0.80337673	.B0053866
Phase-1 RCT-89	0.83302945	0.823312	0.801128	0.73542845	0.76368874	0.8257804	1.0020296	1.0444165	1.1415734	0.9713988	1.0104742	0.9969673	0.64706105	0.7333626
Sarcoclasmic reticulum calcium ATPase	0.8371521	1.0866649	0.88742936	0.6734563	0.8105515 (0.96681887	1.0033226	1.0588877	0.9791979	0.63902104	0.84814596	0.50059017	0.5034371	70169264
Alpha-2-macroglobulin, sequence 2	0.54499954	12101953	0.72181207	0.31602064	0.49879053	0.45758858 0	3.98415077	1.0075958	1.1946173	0.97172177	0.7623529	1.0441406	0.92760024	1.0//622
Phase-1 RCT-204	0.98571235	0.9619961	1.1748432	1.6099974	1.1732575	0.9735441 (3.95518774	1.019032	0.94057477	1.0652283	1.1155046	1 1442014	1.1805/42	1.1189028
Vascular endothelial growth factor	0.91112727	1.1151897	1.0671968	0.91087437	1,5203102	1.0298183	0.8734012	1.0035254	0.9281314	1.0686312	1.0492276	0.8364/45	0.8786387	20786870
NADP-dependent isocilirate dehydrogenase, cytosolic							002.0000	+ 0670064	0.08430	1 1327780	002654	1 0033871	1 209089	1 1112541
	0.94756013	0.8442578	0.8442578 0.78342465	1.101336	0.602205/9	₹ 1	0.8908/790	1,05/3951	0.0000	4 0600827	0.0770770	000000	0 0430669	82331705
DNA binding protein inhibitor (D2	1.1102699	1.1/21668	0.8589903		0.608/255	0.56695790	0.61300233	0.0010033	0 5363905	O TRAADAAR	1 3252717	0.5643275	0.7985628	57 168347
Glutathione S-transferase Ya	0.4304200	4.0004132	0.0004132 0.40200	4 2250044	0.40391734		st	0.0464793	0.7578076	1 0037653	0.6948493	0 5377839	1,2361993	0.9365724
Epoxide mydrolase	1.0077001	1.2021070	0.05541.1	1 2722704	07630	3	2006	0 85051345	0.60705024	74777777	0.8331726	0.9733438	0.73609644	0.64577526
Insulin-like growth factor I	1.207.3034	0.71102130	0.05045050	1 589474	4 171131	227	0 7434148	0 6097271	0.8700486	0.7033399	0,7153984	0.5910525	1.0765249	2.099136
Hosiagiandin ri synuase	0.000000	0.000000	0 73051734	1 0530847	0.746372	0.7525095 (0 94768965	0 9938576	1.1756442	1,1089396	1,0043801	0.92692524	1.0620134	1,0582411
Green 4 00-1 407	0.8304303	0.9653128	0.48747635	0 4442587	0.4135021	0.36015537	1,1030399	1.49547	0.9585726	0.8778523	0.78326696	0.9244793	0.99019164	0.82087946
Present RCT-138	0.85669893	0,93018186	0.8683429	+=	0.98612446 0.9964	0,99640477	0.9402455	1.1397868	1.0692378	1.1639918	1.1510906	1.1548396	1.0469373	398085374
Hensite linese	0.8189607	0.82867813	0,38832584	0.38053298	0.3749117	0.3899957	0.952241	1.5523908	0.848183	0.7142714	0.7968571	0.5994129	0.6593102	0.66537225
Phoen-1 RCT-164	0.602118	0.9334868	0.78230816	0.32114205	0.72181714	0.6543307	1.0582087	12225151	0.9374888	1.060052	1.4966034	1.1923112	0.94676393	0.8050434
Acyl CoA dehydrogenase, medkim chain	1,2992693	0.88466233	1,1801791	0.984404	1,5576025	1,6631384	0.9889854	1.4061319	0.9238836	1.1175383	14372351	1.4761192	1.1064299	0.9770678
Glutaintone S-transferase Yb2 subunit	1.8718265	0.88136055	1.6705781	0.8412988	1.1805619	1.1041149	0.52609193	0.92142266	0.7224683	0.8025529	0.881923	0.97626877	1.0876857	0.9074896
Carbonyl reductase	0.9404785	1.069329	1.0365885	1.4100441	0.7925106	1.0375592	1.0123186	1.1253942	0.8996264	0.7927313	0.7823052	0.64702475	0.86391425	0.9515024
Phase-1 RCT-166	1.5693276	0.82617506	1.0328915	0.60846185	1.0436015	1.2625356	1.0345591	1.229784	1.0899293	1.17.36167	1315614	1.38/1654	1.13000	0.700030
Apolipoprotein E	0.60244477	0.8891567	0.34809932	0.24575768	0.32712877	0.44365287	1.1903177	1.495708	1.1283401	0.9035/59	1.11/5183	1.1348078	1.12/2/20	0.70007.0
UDP-glucuronosyltransferase	0.9797063	12393641	0.7216122	0.37505472	0.5072386	0.7795665	0.63332504	1.4982628	1.0326503	1,500,000	1,310033/	1,01/32/1	4 4377735	1 0553054
Glutathione S-transferase P1	1.025153	0.9510734	1.2717614	1.3894157	1.5776172	1.0884235	0.64729124	0.65/32/83	0.0204387	0.7032119	0.01733077	1 203688	0 9420567	0.8814243
Disutide Isomerase related protein (ERp72)	1.115/05	1.0286984	0.7875244	0.84146845	0.6871463	1.1023023	0.7000001	4 4006373	4 0444048	4 0303876	4 2395497	4 249137	983230	0.8215281
Ribosomal protein L13	0.0274444	4 0040537	0.85.2587 0.71088183	0.53500327	0.3944621	0.5765727	1 5836926	1 6463077	1.3405108	1 2285191	0.9025048	1,2809511	1,0493851	1.0465773
Letter clothe betteller U4 because chain (Iliba)	1 469509R	O REGARRA	1 5809555	0 87801005	1 4951376	1 3971924	1 1525272	1.088159	1.0279205	1.242534	1,6924307	1,9073046	1.0581905	0.96282256
Inter-alpha-mitotior H4 heavy chain (uit4)	1,4030000	V.COLVICTOR	1,00000000	0.07 04.1 04.1	1.700 101 01	10001								

					000000	,00007	4 00000464	10004730	4 0740596	4 404 5004	1 5701071	1 5785546	1 402398	4 22949R
Phase-1 RCT-3	1.2419602	0.9470166	1.5433484 4 7307336	1,5270722	1.8369633	2.10039	1 1818573	1 2993778	13416951	1.1508287	0.9960458	1.1079235	10192	1.1197839
Petun peta (Fetup)	1 0643935	0.80777716	0.9581879	81844736	99446017	0 9809315	1.1212432	1.20272	1.0871594	1,1052545	1.8287541	1.1450262	1.1172029	1,3317946
Carbonic aphydrase III. semence 2	1.1974883	0.77550304	1.1386294	0.41119775	0,7535558 (0.58611894	1,113656	1.3967116	1.5469589	1.2077336 0	89485985	1.0081688	1.0255328	1.1682376
Phase-1 RCT-10	0.8576085	0.85355234	0.6091372	0.6593756	79776065.0	0.6992076	1.016321	1.4078288	1.1280793	1.0973334 0	.90001625	1.0771371 0	.90368134 0	87338173
Alaba-2-microglobulin	0.51837337	0.9435072	0.32788545	0.6780533	0.5984345	0.5817363	1.1376168	1.4239786	0.7508458	1.2812828	12114749	1.0924637	1,0390911	0.9580261
Dynamin-1 (D100)	1.0119562	0.79577225	1.152332	1.3243297	1.1161467	0.8956577	1,1067666	1.1715716	1.2016274 0	96805185	0.8695496	1.1220694	0.8928787	0.7970929
Lysyl oxidase	1.0105428	1.1330013	1.1675129	1,5395381	7-399999 4	1.2050999	1.1709265	1.1467819	0.993201	0.7886665 0.78406614	78406614	74533194	0.6342852 0	73231/45
Phase-1 RCT-252	0.84924257	1.097804	0.78715897	0.515372	1.0169005	0.89459755	1.4979618	1.2894374	1.//33823	4 4702205	4 5344070	1.UZ61363 4 5064838 0	0.03//100	0810R547
Phase-1 RCT-29	1,3884151	0.9801813	1.6711055	1.0296/61	1,596/63/	1,5495265	1.0083023	1.0234350	1,0404,365 0,7801,781	1 3851049	1 9130512	1 5607904	1.1007915	87856305
Phase-1 KC 2/8	1 0193301	1 0308203	0 89592254	1 4868101	1 1012812	0.9588347	92500615	0 9234269 0	0.91980726	1.3020242 0	.93267953	12377374	1.3649735	1.1035239
Phase-1 RCT.25	0.9627033	0.8785807	1.2335186	0.79907656	0.849863	0.8861229	1.0324773	0.9812401	1.1171248	0.760996	0.994223	0.9099507	0.8400076	0.9525962
Cotochome P450 2C11	0.953797	1.1740211	1,3849149	1.5669248	0.9578871	0.9046819	1231681 0	.98625237	1.1102612	0.7606637	1.1829329	0.8029619	0.8905117	1.464419
Phase-1 RCT-202	1.6709788	1.0381017	1,3282944	0.7669591	1.1920956	1.0889604	0.847793	0.9661573	1.0515465	1.0183845	1.3078291	1.1794674	1.1313527	1.145263
Complement factor (CFI)	0.87848324	1.2932035	0.8263027	0.5222896	0.77588594	0.7503209	1.0831015	1.3045138	0.9382849	12981285	1.8721047	1.788983	1.4467684	1.3877846
Proliferating cell nuclear antigen gene	0.99849045	1.1285015	12494142	1.2121432	0.8818202	1.1517814	1.2454054	1.1725035	1.0515897	0.634904	0.6776711 (0.60821134	79170954	1.0381975
Activating transcription factor 3	1.149928	0.801557	1.266311	1.2442491	1.466224	1.3588183	.98888755 0	.92965794	1.0084718 0	.89359164	0.888353	3.88935035	33080485	566/44/5
Focal adhesion kinase (pp125FAK)	0.6747646	1,202056	0.53520787	1.3538481	0.65862566	0.7128604	1221897	1.1863109	1.0608697	0.8707502	0.9/64838	0.8077865	0.0000734	0.957.3435
Phase-1 RCT-289	0.8072727	1.0415077	0.863539	0.7777567	948	92993	0.94982517	CBRCC/F.O	1.0450500	200000	0.000 1000	00503000	4 0744438	1 000105
Phase-1 RCT-259	1.202125	1.0770792	1.0530827	1.2089424 0.96234	ž	0.922635	0.9748097	1,049938	1,50000300	4 0530373	4 05347	4 4206624	1 0502475	1 0160063
Iron-responsive element-binding protein	0.7253452	0.9828642	0.88863033	0.85451555	0.5590506	0.8462193	200435305	1.105/422	1.1002392	1.0535025	1 8478047	1 2605124	1 6141967	1 2436577
MHC class I antigen RT 1.A1(f) afpha-chain	1.0/86/9/	4 2420020	1.2952/0/	0.9303924	0.500000	1.0000/43	4 4064235	1 5764129	1 9519094	83685416	1 2053154	0.9588	0.803215	1.0087992
And surotransferase	0.0513733	1 0110057	4 1702AR	1 R77/R2B	1 022911	1 0712934	1 0048368	1 0865813	1.1691365	1.0798303	0.8887018	0.8864394	1.0031438	1,0048094
Phase-1 RCI-171	0.504 1404	0 7719015	0 6286416	0.5295028	0.5198051	39080936	82819176	0.8373307	0.7736761 0	.81237924	0.7245623	0.6578652	0.6963773	B5129315
Phase-1 RCI-63	0.5011340	0 94370365	0.6276115	0.3825029	0 43001354	0.5249834	0.8058478	0.9003498	83640695	0,9493927 (0.87563944	1.0178083	78330505	0.8309505
Pridase Manipipe forbord	0.7414118	1 2352097	0.6132536	0.5082129	0.56022068	0 5204162	0.8793654	1.0503604	0.9662892	0.9714825	1,0046073	1.1488562 (35220387	0.9074785
N codhodo	0.97743887	1.0880287	0,93706816	1.2180481	0.85405064	96508676	95349723	0.9165829 (79932016	0.8317262	0.7333394 (0.69739836 (.64459246	0.6676917
Phase-1 RCT-62	0.9944514	0.96845555	1.1002647	1.5609868	1,0095621	1.3819175	1.0368507	1,1515526	1.1348735	1.1241823	0.9460457	0.9682907	0.9778253 (.92433727
Phase-1 RCT-22	1,0309992	0.88477266	0.9208531	1.1118723	0.8762769	1.040574	.99489284 (1.94587827	0.9564677	0.8876097	7.8667694	0.8024801	1.0298456	0.9873489
AT-3	0.9486357	1,0689591	0.8618068	1.4422562	0.87948835	0.8734754	1.0436265	1.1171165	1.0065508	1.1627029	1.1913149	1.1734469	1.0966538	1.0544688
Phase-1 RCT-18	0.94785404	0.9099535	0.8276979	0.79624696	0.78668827	0.9973713	1.0223086	1,0343483 (95874435	0.8838861	68349713	0.810/092	0.9253744	0.39/6154
Phase-1 RCT-123	1.0073142	0.9902706	1.1301395	1.5063019	1.1142502	1.0285412	1.0402423	1,0472378	1.021/3/9	1.0632218	1.1346934	4 202077	4 2473006	4 464 1844
Phase-1 RCT-66	0.96470374	12085817	CHEALZEO	0.05505014	0.011/0/04	0.83313474	12000	Coroccov	177	-	-			
Equipment nitrocenzylonomosine-sensitive	O FREGRET	0.82510436	0.6052514	0.48077744	0.5269333	0.372596	0.9006228	0.9887567	0.7974696	0.7451109	0.6405779	0.7217597	73203206	0.8663918
Michelander 2	1 0883418	1 232514	0.7358303	0.59735805	0.66805625	0.8233447	1.3279458	_		0.7977441	0.7336782	0,56188995	1.0036173	0.9224112
Medition meistant protein.2	1.1956743	1.0462384	1.4659749	1.1762854	1,3910213	1,3614496	1.0012009	3.86359864	39718916	91080534	0.7558861	0.6742752	1.036192	1,3066895
Mytiduo resistant protein-1	12074244	0.9909391	1,432,4787	1.378092	1,4655391	1,3983693	1.0303383	0.8569692	1.0795126	0.8655916	0.7879114	0.77943695 (0.87792504	1.4578395
Phosphatidyethanolamine-binding protein	0.8849757	0.8605417	0.8621124	0.50779676	0.8162196	0.738199	999086086	0.965211	0.86508	1.1519614	1.6692395	1.5651221	1.4186147	1,3067123
Phase-1 RCT-180	1.1246364	1,0255389	0.8684595	0.8705833	0.792661	0.9048056	1.1088364	0.8356386	0.9425121	0.8971559 1.305055	1 4300001	1.1/20419	1.0013303	4 3084324
Integrin beta-4	1.0087777	1,0519369	1.264788	1.687235	1,12/860/	1.1/4//35	1.1358151	1.013047	7002001	0 8002540	1 0712909 0 926491	0 92649186	1 2149218	1.367886
NADPH cytochrome P450 oxdoreductase	1,332,35/9	77075500	6 8887303	1.4033400	0.000000	0.0367993	1 1781044	1 0967796	1 165472	67381454	0.6865786	Έ	0.73154205	0.9983718
Fodomeron retroviral seminance 5 and 3'17R	1 1175263	0.662496	0.82270503	0.6424979	1.1650761	1.0870968	0.5172176	0,43667844	0.4443599	0.7773918	0.8101371	0.819093	0.8513997	0.6643054
Phase-1 RCT-53	0.8835831	0.87322843	0.7935852	0.65195197	0.7323425	1.0028807	0.8969458	0.8232106	0.8612233	0.9806664	1.0270319	1098391	=	33721986
Phase-1 RCI-54	0.8246958	1,0395923	0.91050225	1.0461367	0.76493967	0.73981065	1,046504	1.1585793	0.97225475	1.0396193	0.8665576	0.91799295	0.9997666	0.869173
Phase-1 RCT-240	0.9961065	0.7634113	0.9657406	1.0263587	1,0770789	1,0871097	0.7997171	0.6954027	0.8053889	0.7761101	1 20129659	1 00677006	4 540882	1 986315
Osteopontin	0.97294825	1,2662473	1.2588592	12273053	1,4955887	1.0863777	1.0340003	1.1013263	4 4034465	65307054		0 64067966	0.8605451	0 8859527
Organic anion transporting polypeptide 1	1.11/16431	1.0626565 4.0630684	1,3316141	1 23911	0.7463376	1 029781	1 1381029	1,1751031	1.0387287	0.9742733	0.72889715	0.6944316	3,93269765	1.0825619
Tieste factor nathway inhibitor	1.0258478	1.0414428	0.7572498	1.5414224	0,52728057	0.61031723	1.3321475	1,1105531	1.0705919	1,2675196	1,7194123	1.5996003	1,1151888	0.835637
Ovelin-dependent kinase 4 Inhibitor P27kip1 (alternate														
clone)	1.1927358	1.4845104	1.1327904	1.1730086	1.1888254	1.1207314	1.1824529 0.88042927		øl:	0.92508197	0.8537936 0.87105167		0.76465887	0.3510053
Phospholipase D	0.926753	1.0960155	0.8372892	0.5654422	0.9757952	1.1646981	0.8164531	0.883/91	4 053210014	1984113001	4 49490933	0.700/34/	1 0340587	1 0247676
Phase-1 RCT-39	1.0241119	0.9799214	1.1954904	1.2204341	1,2544413	1.0620438	1.351415	0.3483007	1,0333/30	4 0054504	0 0360817	O BETSABAS	0 9585791	1 0744127
Phase-1 RCT-258	0.9585481	0.940638	0,83643943	1.26152/1	1.3448216	4 0244743	0.00181919	1 0217757	1 0228795	1 0770853	0 7718111	0 8073887	0.93346345	0.9423004
Phase-1 RCI-113	0.964/41/	1 0026073	0.77738476	0.70928425	0 62071025	0 6323793	1.0278008	1.0861504	1.0168478	88430697	0.74194777	0.57053196	1.0078619	0.9919096
Alcha-1 acid olymoniain	0 25034368	0.83876395	1,301681	0.7437884	0.5078531	0.67654836	2,2690046	20218349	1.8013362	1,4224298	1.8612678	1.44892	1.0761522	73294234
MHC class il antioen RT1 B-1 bela-chain	1.0831755	0.9216663	1.5468801	1.256103	1.7103093	1.3339971	1.0914981	1.4539444	1.2072396	0.90314734	0.9279246	0.916280031	1.0577227	0.9985888
Mily Const a strangering to a constraint														

					L	0000000	0.0005445	039570941 0 8042450		4 40415B 1 4708R37	1 4708937	1 42382921 1 7813426	_	1,5788419
Omanic callon transporter 3	1.0301453	1.3488048	1.0301453 1.3488048 0.9070218	1.0652692	0.77658427	- 1	CI ICOCE II	0.9201911		V 04 COOP4	0 728438	0.6581518	L	0.7445568
erto	0.99821913	1,1583726	0.99821913 1.1583726 0.95342696	12577945	0.757795		1.2685063	1.19/6019	1.0033320	0.00000		1	┸	4 CH 37835
	4 020050R	0 90023303	4 noosene 0 snoosana 0 857207	1.0489281	0.8560021	0.830705	0.9115372 0.81265885	0.81265885	0.9226913 0.96333/1 0.91422910	0.96333/1	0.91422913	- 1	07/2707	20000
Phase-1 KCI-43	707200	100000	4 0003400 4 4654848	4 4554040	0 0005475	0 9704904	0 9296548	1,0240709	0,7615164 0.84947246 0.80019444 0.76479065	0.84947246	3,80019444	0.76479065	_	1.02203/3
Phase-1 RCT-45	3.080/19	1013411	0015000.1	200000	7705000	0.0747365	1 0554000	0 9453218	13310063	0.7337379	1.0148755	1 3310063 0 7337379 1,0148755 0,9350952 0,88161474		0.9154116
Malate dehydrogenase, cytosolic	0.98275073	0.86233143	0.96275073 0.86253143 1.2455652 0.75300556 0.65465244	0.63300330	2400000	2012000	Baccooca	B783114	A 51880984	1.1139051	76805335	0.01 0.	1	0.6989103
	1,0909437	0.53425545	1.0909437 0.53425545 0.80203897 1.8166026	1.8165026	1.1505238	1.3916191	1,02002330	4 4070007	4 0407855 0 BS777444 0 99648947	BS7777444	1 99648947	1.018118 0.84504074 0.66319954	84504074 0	.66319954
189	0.80377233	0.7256735	0.7256735 0.63712245 0.7519141 0.9358356	0.7519141	0.9358356		7.201032	1.4070037	1.014707 0.00115563 0.97471017	00115563	1 97471017	1,1303973 1,1346793	1.1346793	1.1010425
	0.97176355		1.090529 0.88878787 1.0965043 0.8635052	1,0965043	0.8635052	CLOSCIO.F	1	1.0730343	4 ME4684	4 4895094	CDC7. L	1 2889081	1.0805869	1.1933883
Caloraruffn B	1,112528		1.1341481 0.7384714 0.49764127	0.49764127	0.8169939	1.1230067	20021.1	4 04224774 O 84880775		1 0425559 1 5315366	1 5315366		-	1,1380882
noden activator	1,4496416		0.8325771 0.7822282 0.6170071 1.1176741	0.6170071	1.1176/41	1.1383334 0.54053360	0000000	34050300 1.01231131 0.0400015 0.040001 0.04205645 0.04305605		0 8418836 0 90497005	0.00497005	1 0412145 0 80510026	Ι.	0.8823507
	0.93342245	0.9289225	0.9289225 0.79136086 0.59290576 0.91442056 0.94666195	0.59290576	0.91442055	0.94666195	0.930008	4 4026926 0 616/07D4		1 2581855	0 9434452 4 2945264		1,5077884 0,98400456	.98400456
ding protein	0.81040937	0.9326622	_	0.3807908	0.4950373	0.7234234	0.012233	4 246440	1 246440 0.01043104	4 2300689	1 6956377 1 5136446		1309094	1,3076329
Alpha-1 microglobulin/billamin precursor (Arrbp)	0.87085795	1.105717	1	0.42933175	0.8058496 0.42933175 0.78149736 0.5306779	0.5306//3		240440	0.00077862	0.7359077	0.8482971	0.8482971 0.7861935 0.7187461 0.9423359	0,7187461	0.9423359
Phase-1 RCT-294	1.0994077	0,7412797		1.5409207	1.304632 1.5409207 1.3209435 1.0030770	1.0030770			0 707420R	1 0807358	1 080735B 0 88805515 0 92705107		0.9505301 0.9177624	0.9177624
Phase-1 RCT-151	1.1442689	1.1442689 0.78917874	- 1	1,3204733		I COUCUD	200	2000000	4 0540553	A077704	0.7397653	0 784091B	0.8896907 0.98789485	3.9E789485
Phase-1 RCT-159	0.9753935	0.9753935 1.0078905		1.787959		1.1264751 1.1659915	1.083151	1.083151 0.8654905		4 4740945		4 098748	1 0920931	1 0833702
Dhase-1 RCT-221	0.897544		0.8370827	0.6434123	0.8528887	0.79791164	0.8453091	0.8453091 0.7318186		1.17 10042		020000	1 1361719	1 1025925
Deco 1 DOT 235	0.9421934		1,0197659 0,93877757 0.85527706	0.85527706	1.215426		0.87043047	0.611055		0.001700		0023727	0 7545454	9356680
TREEST NO. 400	0.8915443	1	1 2072545 1,3994507 0,77425975	0.77425975	1.2194909	1.2393563	1.0856267	0.9606844		0.3232842	11875270	0.4143100	500000	4 9750075
Organic arion transporter 5	4 0400777	1	1 667067	1 2152635	1 567062 1 2152635 1 9331468	1.7775359	1.1864791	1.1477245	1.1472094	1.1123015	1.1123015 1.3155707 1.1344688	1.1344668	1262243	17/000/2
Matrix metalloprotemase-1	1,00001	1,00000	1	CABCACACAC	0 400170 0 25302042 0 44110575 0 48541783		0 9369972	12139117	12139117 0,75880677	1.0961815	1.0961815 0.8130394	1,281949	1,281949 0,75162023 0,7101957	0,7101857
Urtnary protein 2 precursor	0.49498805	0.6353334	Ŧ	7.0202042	0.44110373	400004	0 0907495	O 8014727	40144727 0 90899324	0.9486299	0.9894123	0,8484052 1,0486726 0.94062513	1,0486726	3.94062513
Phase-1 RCT-212	0.81632143	0.8073475	- 1	0.96209663	0.9550391 0.96203663 0.9310397	0.0103021	0.000	1						
									Ī					
(1) Gene expression data for 6 hour timepoint are		•											_	
presented as mean ratio of treatment/control for all 6														
hour predictive genes (Table 18).														
(2) Compound and dose abbreviations as in Table 1.														
(2) Indicated polymol countries												1		
Columnation and an internation for company														
dose omin at 72 h: we-ner, necrosis observed: Ves-														
both, necrosts with Inflammation observed, no, no														
histopathology observed														
(5) Predictive gene (as in Table 18 and as Included in														
lable (20)														

Table 20 Exerceise Date for & Hour Timebrief (1)														
П	П	11				007	Т	CTD7 20	STD7 20	CTB7 20	STRZ 75	STRZ 75	STRZ 75 TV	TAM 50
			SC NIN	OOIN 25	201 NO	CON TOO	2552	3	3	23	5	8	33	1441
	8	254	2542	2043		7007		2			-	2	50	
	2	2	2		Ī			-	-					
Gene Name (5)	1 035789	1.1078073	0.98794806	1.5970607	0.9672246	0.88195	0.739169	1.0312055	1,1805946	1.1066333	0.9161218		1.1358207	1,735,412
Contact Stower Laces Gillong Process	1.2740602	0.8956992	0.82892224	1.1091291	0.95158386	1.0174003	0.8959367	0.9536188	1,0737689	1.1786435	0.9160663	-	0.36363601	4 2086236
Si como	0.7143131	1.0717872	0.94105285	1.4565594	1.113026	1.1461422	1.7793367	0.7935607	0.84426904	1.0434324	1 2405987	4 2636437	1 1432594	1.2778863
MIPK	0.9946709	1.2242166	1.065608	1.1189375	1.0729123	1.1398034	0.9694/79	1.2701025	4 4523062	1 2590424	1,658361	1,1082938	12	71085924
Cethepsin L, sequence 2	2.138561	1.0157638	1.0313617	1.8763704	1.0920159	1.07.10900	0 70/0051	1 2329857	0.8334703	1.0286058	0,8998796	1.1155692	1.1191038	1.4631745
Нете oxygenase	1.0967287	0.9515382	1 0047076	4 2864263	1 0713001	1 1132208	1.1474179	0.9519684	1.15137	1.0343615	1,5914884	1.1699181	Ž,	1.0446274
Phase-1 RCT-109	1,3384665	0.97277	1.034/0/6	4 2670575	1 0054847	1 050131	0.9700957	1.1597054	12229003	1.1020347	1,2849172	1.4413091		12297405
Phase-1 RCT-111	1,162/282	7001CT	1.1313/03	0 2584430	1 70/201	1 632306	2.0624561	1.4597362	1,6605521	1.6711084	4.266252	1.8461033	1,825206 0	0.99493927
Argininosuccinate lyase	1.2507344	AC011918	000424600	1 0680082	0 8080958	0.9009191	0.9306811	1.0530825	1.1860085	0.95652366	1.1317682	0.96855164	1.0236595	0.929463
ONA polymerase beta	1 4701 507 1	0.9678998	4 4384233	1 211445	1.0382674	0.9566825	0.9602251	0.776601	0.6599292	1,2280446	1.3036512	1.4421829		12106851
Phase-1 RCI-103	1 4557397	1 1359147	1 1810947	1.5389608	1 2442785	1.1546791	1.1212606	1.0114766	1.0295889	0.9353081	1,0340133	0.78962785	0.78899865	0.95456266
Reposontal protein 59	1.0513265	1.2371743	1.00742	12977988	1.2969838	1.091964	1.0348521	1.1798878	1.1257246	1,0901515	0.9943545	1.1263668	4.5505907	1.1092270
Prese-1 RCT-15	1.1017004	1.1079892	1.0837233	1.6120588	1,0929176	1.0746158	1.1567411		1.2449303	12/3440/	0.00000100	0.8948039	0.88732237	23272166
Macrophage inflammatory protein-2 slipha	1,0450137	0.9289722	0.88205427	1.5718418	0.85713583	0.9831936	1.1350106	CZ LICWI.T	0.37210404	1.02.60404	20000			
NGF-inducible anti-proliferative putative secreted	370037000	0 0270244	0 706406	0.75382537	0 7000711	0 88527596	0.82018685	1.0825168	1.0194911	1.2836846	1.3566833	1.0795976	0.9261039 (0.76774263
protein (PC3)	4 0884847	1 2766439	ľ				1.2831936	1.8161395	1.5135149	1,6197448	1.8802728	1.6539108	1.3612752	1,082834
Phase-1 KCI-191	4 0055707	1 2RBSR88		2 2026587	1.4017512	1.6906817	1.5068743	0.6830268	0.8505122	0.86027205	0.7587526	0.7030784	0.8790172	1,8153679
Phase-I KCI to	1 1438824	0.83072	0.9049843	2.0129144	1.1654114	1.1435881	1.0901729	1.0362284	0.9710311	1.0182867	1.1522247	1.09965/7	1.037584	1.5194723
Cyclin Los	1.1759479	1.0970592	1.171194	0.78974754	1,0976765	1,090958	0.9734547	1.1271764	1.1241226	1.0922858	1,4321948	1.1311813	1.022/313	1 1323034
Phase PCT-56	0.9166893	0.57548136	0.5309309	0.5975161	0.5116786	6747	0.49290147	1.0158199	0.97241086	0.899177	1,052/2/	4 2046462	1 1406894	0 9508563
Phase-1 RCT-192	1.3502429	0.90096873	0.7150121	0.88300467	1.0155201	0.93224883	0.9690519	1,0969353	1.1877673	4 221064	2 227655	1 1456001	1 0549111	0.9709264
Phase-1 RCT-75	1.1250124	1,4734133	1.0174372	1.9605625	1.3797202	1.2384981	1.1150541	1,3240002	1.2130002 0 84304357	0 80305797	0 8433398	0.9405202	1,0811574	1,89931387
Acetyl-CoA carboxylase	0.9393954	0.9765118	0.8534338	1.15/9/9/	0.9921/397	1.0003994	0.3210001	1 15376R5	1 2600454	1,1182692	1,2368667	1.3815566	1.1181101	1.1523914
Phase-1 RCT-95	1.1656085	0.9385432	1.0303343	A DECECTOR	0.3633500	0 7179505	0.7828572	12797401	1.0504534	1.2872291	1.1134135	0.9818301	1.1386483	1.0076331
Cystatin C	1.1554146	1 007575	1.0354268	1.8194397	1.1451591	1.2206876	1.2807841	0,8391562	0.92131263	1,1358856	2.317324	0.9700708	0.8558337	1.0637684
Present MC149	1 408997	1.0776489	0.994939	1,1762238	1237446	0.9987113	1.3924216	1,0340302	1.0012814	0.94279706	1.2652808	1.1530/9/	1.1621069	1 277.403
Condidate	1.0792844	0.93687004	12487764	2.2416198	1.4244715	1.3627323	1.2921852	0.7854641	0.7920815	1.2017158	0.80488515	4 2040202	1 473048	1 1475844
Chases 1 RCT-156	1,173178	0,9082421	1.081488	1.1928139	0.8703527	0.8466375	0.77093977	1.1282222	1.2045361	1.1222339	1 231/380	4 47/7875	1 0751332	0 8908144
Coffin	1.0227389	1.0356205	1.1302341	1.0688852	1.1610404	1.0888553	1.10888	1.0986068	1.1012130	1.2126002	1 503478	1 0240353	0.91627127	1.0824763
Phase-1 RCT-127	1.011674	1.0669646	0.76655185	1308285	1.2098949	1.0791302	1.112338	1 0375134	0.85374904	1.021516	0.7008354	0.6948373	0.77325463	1.0142543
Macrophage inflammatory protein-1 alpha	0.707767	1.0617851	1.0436952	1.1/36082	1,09/4205	4 4203443	4 074842R	0 9613103	0.84007853	1.4572549	0.81371444	0.85844153	0.8962095	1.0151678
Zinc finger protein	0.915160	1.1104400	1.0909024	0.6452626	0.9801879	1.0076854	0.96593736	1.0728621	1.0187111	1.0207121	0.8857792	1.1207213	0.95804083	0.96723604
Phase-1 RCT-73	4 446600	0 86360496	0.90526706	0.85485834	0.9265546	0.78976565	1.9257684	1,0959939	1.4409302	1,3269619	1.1463455	1,3835598	1.4972576	0.9179347
Glutamine Synthetase	0 98075974	0.8018778	0.85552824	1,045143	0.861671	1.2936996	0.9341326	0.8494085	0.757324	0.8801477	0.7279925	1.2847617	1.2831093	1.1018332
Phase 1 RCT-242	1.042466	1.0685512	0.9257383	1.5785475	1.1038216	1.0927283	1.0863065	0.89561015	0.747821	1,3343/29	1,5025367	0 8843345	0.8075433	1 0551274
Phase-1 RCT-50	1.131049	1.0636328	1.0069976	12742422	1.1717432	1.0444403	1.0493222	1.0014558	1 2483238	1.0577475	1 248002	1,609456	1,1995648	0.8827937
Elongation factor-1 elpha	1.171871	3 0.669436	0.896957	1.12602//	1.077.776	4 0446463	0.0072433	1 0033077	1 1413392	0.9294103	1,0556656	0.81907254	0.89030534	1.3158003
Integrin beta 1	1.125007	1,08535	1.066/33/	1,002003	1.07 F4226	0 9310745	1 0542527	1.5400121	1,4857432	1.627962	1.416824	1.4369096	1.4995974	1.1486831
Insulin-like growth factor binding protein 5	1 054750	1 06321	1 067807;	1 1595917	1.0817872	1,0348437	1,1109334	1.0723096	0.8672726	1,5311468	3.6316793	0.8235968	0.7034488	0.9753933
Fhase-1 KCI-59	1 080189	1 041763	0.9462	1,1913363	1.0862036	0.9773694	1.0554136	0.9600736	1.1244009	1.1938875	1.5188541	1.0285294	0.84012///	1.1842303
Forth Lybin	1.080697	9 0.91398	5 0.77838856	0.75630355	0.8323475	0.7851379	0.8347074	1,0425884	1.4046493	0.95485616	13895175	1.1506314	1.2//0300	4 150001
Selementein P	1,292664	5 0,86291;	2 0.83752966	6 0.5116735	0.80258596	0.7679349	0.83788925	1.157817	1,0409986	1.1249295	1215//8/	1 0180097	0.98271567	1.1868769
PTENMMACI	0.8922140	5 0.9999977	1.110324	0.430798	1.0890026	1.1157984	1.0312083	1 22/18/24	0.86064217	1 0452962	0.6276279	0.91568595	0.9189181	0.83794534
Phase-1 RCT-214	0.915698	1,136383	1.036423	4 053005	0.303303/	0.8970486	0 9459888	0.8170147	0.6788755	0.8144203	0.5958674	0.7068248	0.7912195	1,0905141
Phase-1 RCT-112	0.7977240	0.9724774	4 050162	0.077337	0.9519038	1 1447592	1.040263	0.9603848	1,0069455	0.9423463	0.88639116	0.84306264	0.82625043	0.8203632
Thymidylate synthase	1 017747	8 0 6757443	5 0.4644080	1,002337	0.6016421	0.63302493	0.6557376	1.9487292	1.5653734	1.0269717	1.0308464	2.0314178	1.3429043	0.84513617
Nirdocome assembly moteln	1,408407	9 0.9026748	5 1.12132	0.5443574	0.57780707	0.6208802	1.3077387	1.0815134	0.9386222	1,0385602	0.8845083	30382088 V	0.7751555	1 2687346
Cholesterol 7-alpha-hydroxytase (P450 VII)	0.7677417	1.053808	1.123239	1.0750283	1,8360767	1.0966481	1.0650349	0.7443296	0.6820128	0.63514453	0.6225396	0.6051663	0.7213141	0.9130758
Vesicular monoamine transporter (VMAT)	0.814379	3 0,999017	3 0.988300	1.073534	0.9110027	1.0956588	1.02/1381	0.770475	0.00020120	0 R537071	0.627063	0.75009084	0.82117945	1,055308
Phase-1 RCT-260	0.8549239	0.89560	4 0.83634	0.783247	0.8636330	0.0000161	V.0000.1	0,01						

										1,031,01	100,000	4 maccant	0 055457210	94266903
Dharm 4 Der. 32	1.0548155	1.3383801	0.9282183	0.988223	0.9329064	1,3387351	3092543	0.8531319 0	78626833	1,31534	4 0011087	0.9631607	0.9870614 0	68944514
Peroxisome assembly factor 1	1.0196694	1.3155174	1.2003235	1.3882594	1.3057464	1.3708462	1.30/44/6	1 0043404 0	93820477	0.9562076	183222777	0.76430863	0.8743201	1.0137247
8-coordantine DNA clycosylase	0.9317675	1.0348185	1.0606564	1.9583476	1.0424011	1.1332630	0 000000	1 0203491	0.9578578	97396743	0.9157137	0.8598458 0	.81271466	3.9682602
Phase-1 RCT-82	0.9305265	1.0115731	0.9684413	0.8763434	0.9581654	93807744	0.8000001	1 3529943	1.5988876	1.3074887	1.2744529	1,728541	2,1021922	1,2240329
Natrh F/G	3.82606846	1.2470636	1.0033809	3.46785188	1 3525030	00403007	80071774	1 1532066	1 1013216	1.0951544	1.3938116	1.2393676	1.1604762 0	62881796
Phase-1 RCT-184	1.1560622	0.9647128	0.94823813	0.77889980	1.1002333	0 82365197	0 8864734	1.0231972	1,0824039 (0.97632945	0.7699958	1.101075	1.1696348 0	85391116
Phase-1 RCT-168	1.4046267	0.8186531	0.8805174	0.0537554	0 99517584	829844	0.9379306 0	.67581123	0.5912408	0.8081309	0.6781581	1.124735	2.5603782	2305766
Phase-1 RCT-119	003443758	0.0013013	0.9773886	0.9070234	0.9114553	0.9982884	0.9874565 0	.90474015	0.8844209	0.825146	1.2065985	0.8254758	PCBCULU.	100/007
Carbonic anhydrase II	0.9435092	0.96196455	80993	0.84677416	1.0015317	1,0524276 0	0.89650893	1.0378832	99645543	1.028839	7,00200.0	1,0050652	1 1564497	0.9760051
Dheed RCT-71	0.9400395	0.88773364	0.8090476	0.98250395	1.0523517	95104504	1.035148	1.11189/2	4 075454	1 4120117	2 291223	12200727	1.0791081	0.9745325
Phase-1 RCT-179	1.3420126	1.0085516	1.1871773	ci s	1.076124	1,3230917	1.1/2/10/	1 1017041	0.7404725	0.8566369	0.6632569	1,0638947	1.02087	0.8813285
Phase-1 RCT-161	0.9530185	1.0479895	0.97835344	0.9194271		1 1 36500	1 240969R	1.1293254 (0.95485103	1.4967248	3.1272452	1,0708675	0.8985648	1.0309031
Phase-1 RCT-207	0.92208135	1.1365346	1.1388465	4 520523	14500012	13151917	1259122	0,8401791	-	1232107	1,8422887	1.1571612 (33306565	1.0359
Phase-1 RCT-144	1.2203614	1.0003207	0.001/0.1	1 2736755	0 6778162	0.8950652	0.6956808	2.0890262	1.0739199	1,6913116	1,5733751	1.0460331	38664055	0.9475759
Phase-1 RCT-225	4 0050765	0.0234390	1 0358502	0.84842368	1,105311	1,090721	1,0681098	.61989833 (0.73337233	0.8871392	0.70875204	0.68526095	0.6611009	4 000 TORY
Cytochrome P450 2E1	0.0311806	1 0331286	1.082014	368	0.96602154	1.0264213	1.0321697	1.3289592	1.1216054	1.153467	1.8172499	1.3095682	1.1099002	1.003/804
[C-1	1.1133468	0.9269302	0.82483876	0.9475777	0.9083909	0.8447252	0.8506291	0.97767216	0.9818854	0.51738434	0.667691	1 200777	1 2550609 (92234268
(Indicatorial (IIA))	0.32792527	0,86678123	1,23965	0.29866385	0.5571008	0.25189558	0.3976953	0.9823853	0.10003234	4 207245	4 0445005	1 136011	1 0491428	1.017625
Caronic annyolase in	1.0428855	1.1534083	1.1054869	12177664	1.1377344	1.2148539	1,0789993	1.1280073	1.1508701	1,20/213	0 52002458	1 0770892	0.8907274	1.0717396
Complement companie C3	0.91730434	0.84206164	0.68145936	0.9591716	0.9463567	0.99408174	0.8204458	0./806884	4 C780407	0.0015040	0 5019409	0.8870753	1,0028398	.92538345
Chichense	0.65433794	0.6419679	0.7991465	0,46949252	0.7633718	0.32219893	0.2473363	0.6500802	7894447	0 97153413	0.82851243	1.0017403	1.031815	0.9805127
Phase-1 RCT-173	0.7534644	1.0460397	1.1069834	0.9221138	1.2895172	1.005032	1.0/00333		0.8459416	0.895827	0.76830876	0.73754746	0.8291577	1.2092252
3-methyladenine DNA divcosylase	0.8769593	0.99862117	1.1197342	1.3098556	1.0075378	1,0030000	1.1222300	1 2000835	1 2785238	1.2402827	1.0497079	1,700979	1,5461411	0.9999176
Peroxisomal multifunctional enzyme type !!	1,1675475	1.0787268	1.0505832	0.6842874	0.92307305	0.3422203	1,3543,5427	1 2832835	0.9140392	0.9614493	0.72984457	1.1800665	12965161	0.8948373
Phase-1 RCT-40	0.84561366	0.9116669	0.789205/3	0.4994138	0.8213930	0.7033730	87718357	1 0503516	1.278451	0.8411591	0.6140094	0.9527337	1.104355	38054264
Senescence marker protein-30	0.45774794	0.811003	1.0388726	1 515248	1 0035025	1.1046528	1.1842393	1.911375	1.448197	2,3561683	2,9436966	0.8907791	1.1202722	1.0352434
Cyclin G	2.0401466	1.0510112	79574797	1 1317861	1,0217636	1,0110197	1.073723	1.1817913	1.0874984	1.0837638	0.96052396	1.130692	0.99830355	200000
Melanoma-associated artigen ME491	1.034432	4 0810922	1 0466665	1.1404698	1.0747563	1.0644106	1.086236	1.0273594	0.9004043	0.9737672	0.94074565	1.016234	10047426	0.976251
Phase-1 RCT-28	1.0989051	1.1757071	1,1222569	0.7269309	1,025147	1,277,5453	1.1314534	0.9924032	0.9539074	1.1304243	1.2213833	0 8880162	0.85968584	74441726
Afterna debudecements 4	0.5879585	0.8079108	1.0202895	0.7806638	0.4295482	1.2084253	0.91416276	0.7677143	1233452	4 0500400	0 7430046	0 88900506	1 28712271	0.91916364
Stancel farthr	0.54844785	0.8031972	1.0344145	0.55442667	0.74091965	0.6971939	0.7673368	1,095/198	1.130071	1 0112461		0.9841776	1.297838	0,95053566
LINK1 stress activated protein kinase	0.82228845	0.7486894	0.8961157	0.7214771	0.91588056	0.6360/48	1.1400341	0.12303433 0.82429004	0.85173124	0.0512217	0.70048785	0.65456215	0.75304294	1.0581447
Protein tyrosine phospitatase alpha	0.8176628	0.8562837	0.85003716	0.93673956	1.8742UD	1 1758628	1 0004117	0.97078514	0.95130867	0.9224072	0.713701	0.81431305	0.87485548	0.78728155
Phase-1 RCT-55	0.9518844	1,067,7035	0.9235220	1.0400010	1 0684187	1 1089792	1 2329906	0.938791	0.8755921	0.9556578	1,0303826	0.8045185	0.8296448	1.0137633
Ubiquitin conjugating enzyme (RAD 6 hornologue)	1.1625859	0.99003094	1.093007	0 R4867674	0.93079348	1.0130855	0.93829095	1.0344342	1.0377209	7569058,0	0.9657524	1.3195816	1.1731496	1.137121
DNA topoisomenase I	0.881/445	4 0679547	1 0386404	0.78938496	0.9683741	1.1255198	1,1483499	1.0559148	0.90638706	1.171397	0.8746454	0.82429105	4 463 5007	0.9026090
Phase-1 RCT-280	1 063506	1.2098013	1.1039717	3.784806	1 2279646	1.1624682	1.0292767	1,2160558	1.2905015	13027042	1 2103195	1 497107	4 0653915	0.9279938
Dobb hibdin class I	1.12632	1.276248	1.1943134	0.87101716	1.24872	0.94328815	0.8042755	1.5540262	0.77509	0 7704802	0.7164354	1.3632692	1,1666738	1.5644405
Carbama phosphale synthetase 1	0.67968124	1,3469228	1.0040604	0.9154806	1.3526993	1.3515885	0.3932623	4 0557574	4 4254683	1 054432	1 2807293	0.9634257	1.1198038	0.9806692
Diacylglycerol kinase zeta	0.9878521	1.0973259	1.1501167	2.1230102	1.1353014	4 8271202	10535084	0.8756411	0.7938414	0.8338882	0.01507497	0.94500905	0.9983643	1.3269734
Phase-1 RCT-141	1.116463	4 4426983	1 1011965	0.9550694	1,2807937	1.1686954	1.0333027	1.4088997	0.9558833	12764328	1,3789151	1.1966808	4 4 9 2000	1,0300121
14-3-3 zeta	1 1310882	1.075411	0.9630288	1,9864286	1.675669	1.2815096	1.0375814	1.169115	1.1818664	0.97760326	10/430/4	1406607	1 2551616	1 0477838
Gamma-actin, Cylopiasmic	1,6080854	1.0798548	1.1182297	1.2794975	1.1625522	1.141447	1.1276727	0.9722093	1.2723142	1.2403627	C8505000	1 225377	1 1636903	1.1097087
Papasana protein Libra	1.1488672	0.8425223	0.97856194	1.254904	0.81879294	0.93666387	0.8368916	1.0096853	1 28216/7	1,0100001	13095569	1.4511452	1,621822	1.164027
Prese-1 RCT-65	0.8874497	1.0984735	1,0161941	0.7962401	1.1160252	1.0325493	4 2775763	1.040233	1 16242	2.3929214	1.1900374	1,4642601	1.8177655	1,288165
c-lm	0.7570067	0.9860422	0.9228222	1.2308091	1.1535/39	1.0463616	0 9200084	2.5868313	1,5067525	1.6781765	1.4246353	1.8511719	1,7373319	0.9943922
Protein O-mannosyltransferase 1 (Pomt1)	0.9226086	4 47 4 1 5 2 2	1 2720191	0.925320	1.2681873	1.1595472	0.99866855	1.2623458	0,8731924	0.92105573	0.8575951	0.7912492	0.8230912	1,0841686
HMG CoA reductase	1 0503367	1 2815493	1.1864318	0.9564906	1.1451154	0.94481623	0.78880054	1.5220735	1,45159	1,5533546	1.4386768	1.7222376	1.1/34510	14400133
Phase-1 RC1-12						_		0.340046.0	0.0017754	0.75507788	0.80178294	0.94945085	0.9266063	1,0711445
(PC4)	0.87228435	1,031074	0.9722404	1.177020	1.024626	1.0792588	0.9845691	0.7433133		_	0.44181442	1.1004431	0.68967247	1,2264239
Glucose-regulated protein 78	1.2970307	0.86173946	1.024412	1.1358426	1.3740303	0.9014776	0.8375758	0 94155455	0.8510614	0,97390383	0.78335904	1.159552	0.74611914	1.2947807
3-beta-hydroxysterold dehydrogenase (HSD3B1)	1274037	0.99140775	1.101816.	1 17897	0 9176208	0.88087535	0.94719476	1,0356376	1.2187108	1.0561849	12821721	0.9734382	1.0541339	1.1723139
Caspase 6	1.2042/2	1 0/8/21/40	0 8997771	0 917395	0.8910572	0.91860455	0.9764196	1.0509863	0.88308334	0.90733135	0.6237474	0.67290115	0.7820311	1.1510611
Phase-1 RCT-169	0.00043104	96062680	0.975085	1.333988	0.8430979	0.91439676	1.0166352	1,4878883	12378111	1,5079869	2,6526888	1.0287683	1.0929102	0.8790201
Phase-1 RCI-19/	1 25028	1.0768846	1.071379	0.6872249	0.91713923	0.8265589	0.86097175	1.3573017	1.1473901	0.94b/121	1.190997	1.505/12	21120	
Phase-1 Kc I-34														

	Tacaraca C	4 0440549	0 00000041	10040400	4 0045485	0 6444894 0	R74147951 0	96408504 0	86378324	0.9814218 0	89416426	0.7566846 0	.85603005	1.0658915
Phase-1 KC 1-72	2 1796251	1.0025909	0.97313786	1.4452989	1.1065384	1.0468223	1.1726881	1,1208653	1.2185269	1.1340832	1.2497878 0	72783494	1.1058248 0	84674287
Phase-1 RCT-288	1.0046732	1.0957068	1.0457127	0.6305887	0.9620561	1.0253478 0	94382536	0.8623713 0	89104844	1.1175363	0.8651078	1.050505F	1.1242881	0.0010340
Phase-1 RCT-90	0.95327365	1.016956	0.90319073	0.9891374 0	91686344	0.9185254	0.9403987	0.8964037	845/38	0.9083019	0.8663322	4 00001110	0.00000	CCR4387
Cytochrome P450 2C39 (alternate done 2)	1,5794191	1.0716373	0.94748956	3,48411363	0.9696711	1.5070477	0.8912646	1.0088619	1.1206704	1 23299	0.95/9650	1.0022402	4 0745048	2342464
Phase-1 RCT-290	0.67587405	2.255794	1.6978911	2.326378	2.196432	3.266461	5.138559	0.2756356	1.105/602	1.0240060 0.30	4 002085	1 2069194	1 0458157	1 1601689
Phase-1 RCT-261	1.2246996	1.4084425	1.1978393	12615/14	1.4102976	700007	1.1000004	0 0004375 0	91231801	4 1883882	1 1925546 0	R3915097	0.99363305 0	0.91018456
Methylacy+CoA racemase alpha	0.8641221	1.038826	1.0451458	0.7323323	0.9090000	920000	1 2024406 0	00100E234 0 00737574		0 9617114	1 222364	0.8702522	0.8007569	89559454
Cytochrome P450 1A2	0.9774121	4.000646	70000000	4 4603473	3 8	0 08821074	11352318	13799096	1_	55	0.7853326	0.7245847	1.0622293	0.7130551
Phase-1 RCT-297	1.71/31/0	1.092040	0.9020013	0.69857407	83049834	0.6400976	1.0370315 0	315 0,76114285	1,1643373	0.97564125	1.1233579	1.0393454	1.1304071	0.9089985
Monoamme oxidase B	0.7045430	0 959703	0 9748276	0.62296855	72155225	58169	0.90172684	1.2704468	1.2929587	1.1195056	1.1805148	1,250658	1.3822376	0.8940134
Permission profile activated receptor carma	0,64152706	2,198169	0.9721372	0.91155136	0.85478395	1.1268333	1,0050257 0	.87516457	0.875436	1.0241729	0.6734084	0.7730314	0.8243588 (77733076
Phase-1 RCT-143	1.0389786	0.83497334	0.86553218	0.8322097	0.8365128	0.8498136 0	0.82707834	1.060856	1.0437583	0.9703989	1.0093329	1.022/143	1,150000	0.8411897
Phase-1 RCT-251	1.1660867	1.1719236	1,0306001	0.6420077	1.0958287	1.1404754	1.0898099	1.0156491	1.1145814	1.1522994	1265238	0.9820113 (.69034466	4 0506747
Phase-1 RCT-117	0.9524612	1.1603262	0.58811057	0.7777495	1.2406221 0	0.83008856	1.0394529	0.8626388	0.8681822	0.9075227	.83811707	0.9019038	1,0524302	1.0330747
Gutathione Stransferase theta-1	0.85733163	1,0416765	1.1108713	0.9557921	1.0039743	1,0736165 0	.84886694	0.9918514 (0.69304174	0.97136	0.6774266	0.97526634	0.9042609	0.7606340
Phase-1 RCT-91	1.0369154	1,0569121	1.2038621	0.98011523	0.927629	щ	0.9893393	0.7881652	0.8666058	0.9237555	1.1922972	0.8545587	4 5772204	0.9330501
Phase-1 RCT-148	1.2537675	0.8522951	1.0250998	0.6144655	0.8813789	0.7633186	0.8761912	1.1032384	1.2128/48	1.1240307	10001071	0.0077425	0 8373013	88726235
Phase-1 RCT-142	1.0857098	1,0352861	1.1254553	0.86656535	1.0647882	-	1.0742959	1.80471834	200000	0.00000	70044000	0.3017420	3505007	1 0375363
Activin receptor type II	1.142334	1,0900966	1.1443226	1.1124748	1.1653955	1.130/17	1.1440543	0.8368386	0.0000000	4 440020K	4 643247	1 0580845	1 4017879	0.8156629
Glycine methyltransferase	0.91371286	0.96052414	0.89020735	0.68709767	0.949/055	0.5583309	1.46/363/	4 0202204	1 0465534	4 065828B	1 2042112	0 9791763	82032496	86967963
Phase-1 RCT-281	1.4339957	1.1618968	1.0135316	4 4455339	1 0034603	1.515952	0.3233165	0 90248415	74240386	0.9140863	9.84718204	0.8696066	0.7488041	1.0973582
Ciliary neurotrophic factor	0.90203014	0.83785	0.0020004	2000	100	-				-	-			
Cap imotion membrane channel procein octa 1 (ejo 1)	1.0237558	1.4510803	1,1675835	0.8209248	1,7735327	1,3796557	1.1312643	1.8978754	1.9328864	1.4807022	1.5962124	1.8704937	1,7270193	1.0298723
Dhorn 4 DOT DR	1 122567	1.0586853	0.9849692	1.1775441	1.1004174	1.1416345	1.1541972	1.024008	0.8969261	1.0514913	1.1397885	0.9309104	0.8619162	1.1421598
Dhood DCT-387	1,1059291	0.81578526	0.92136765	0.93284607	0.81081444	0.8417811 0	1.87049043	1.0598764	1,0029128	0.9802625	0.9326011	12809837	1.2091691	58094115
Police Lynding Pariety (RRP)	1.1156136	0.7876681	0.9072461	0.6087523	0.66485155	0,5619339	0.9279877	0.8389785	1.0455507	0.9688885	0.9215263	1.2199317	1.1627548	0.7825105
Very Importation acut-CoA synthetisse	1,3866394	0.7630962	0962 0.84355545	0.901205	0.63143426	0.845776	0.9444659	0.9343598	1.0565709	1.1322725	0.9695879	1.194716	1.13015/4	1,0113/33
Sudecan-1	0.99045575	0.90394306	1.0456806	0.8816634	0.9030461	1.1184103	1.0000391	1.6816518	1.7951554	1.2001259	1.9621656	12/05435	1.5/90282	1.0246174
Stathmin	1.0851953	1.1059365	1.0091622	1.0071902	0.9897806	1.0288283	1.0447385	1.0436505	0.9926343	1,004,087	1777	0.933990	7575500	1 050541
Phase-1 RCT-145	1.0825794	1.07503	1.137004	1.5798185	1.1950365	1.3569244	1.3233769	0.8879787	0.8810853	1.02/4/62	1,006,2004	0.000000	0.75877	S DOZGER
Axim	0.8354363	0.9774951	1.1150597	1.3873053	1.1699996	0.8881709	1.0841898	4.0060150	1 0/53103	1 024605	O RESIDENCE	1 127846	1.3244138	96399516
Phase-1 RCT-89	0.8563437	0.90305275	0.8275154	0.48643053	0.00030000	0.0000000	01747676	1,050,00	10155424	88991766	0.8746518	0.86328185	0.8709957	1.1319916
Sarcoplasmic reticulum calclum ATPase	0,6593589	0.8214938	0.8958171	1.0185353	0.76/4/64	0.9352350	07470476	000/8/0	73100710	1 0496228	1 7544894	1 2053983	1,1606588	1,0779585
Apha-2-macroglobulin, sequence 2	0.95240194	0.82527584	0.87525964	2/52/121	2000	0.007000	4 244570	4 03235EE	4 0000635	0 06232283	12868581	1.1265236	1.0920818	0.9673375
Phase-1 RCT-204	1.0334567	1.104304	1.0693333	1.0495748	126/5121	1.1346//0	1.24 1320	4 3354226	13720377	13445841	1,1192241	1.5076722	1,4710984	1.0970305
Vasoular endothelial growth factor	0.9501922	1,053.5589	0.98624/05	0.907.03407	1.115024	7.00001	000101000	2					-	
NADP-dependent isocitrate dehydrogenase, cytosotic	1.0987419	1.0648009	1.1678219	0.6985109	0.97968036	0.93195057	0.80926275	0.90096015	0.87803525	0.966067	0.9328791	0.9244144	0.8056212	0.84157944
ONA binding protein (rehibitor ID2	1.0368497	1.1187531	1.1366202	1.0175445	1.0631691	0.89987254	0.815015	1.2162123	1.0933567	0.9080527	1.791508	1.4152832	12472448	0.92/4026
Gutathlone S-transferase Ya	0.719921	0.9650531	1,0960598	0.5196861	0.43691626	0.5375126	0.7627788	0.9778264	1.0122315	0.74421173	1.0378073	0.9319///5	1.1103000	0.020U/4
Epoxide hydrolase	1.0481632	1.1256438	1.9871501	0.7502615	0.959747	1.649643	1.8972048	0.60362758	1.1373205	10370307	70004490	1 2255976	1 1665478	1 0354295
Insulin-like growth factor I	0.8583465	1.0193394	0.9983351	0.9594552	0.9308215	1.0324275	1,10002437	1.0233033	4 003448	4 0550408	9035300	0.95760095	1.2014072	1,3783482
Prostaglandin H synthase	1.3278697	1.0476034	0.938911	2.1561894	1.100/20	1.173000	0 0207249	1 0888587	0 9837137	12178254	1.1118846	1.1032666	1,1069635	3.86869496
Phase-1 RCI-136	0.0000420	0 901744	0 9956774	0.66032916	14	0.86938274	0.7052623	0.8957053	0.8725037	1,0862094	0.7968797	0.90370905	1.0476336	0.8722444
Proced RCT-138	1,138086	1.1391952	1.0710881			0.9106253	0.8268241	55649	0.95895916	1.0565068	1.0834898	12104844	1,0100311	1.0055541
Henalic linase	0.7033045	1.1043375	1.0917382	0.7420559	0.91484237	1.0298688	0.7367815	0.9156853	0.75816464	1.1107413	0.88439345	0.8369213	0.77.7730	1 078094A
Phase-1 RCT-164	0.8045895	1.1967424	1.0919951	1.1803387	1.1450577	1.151006	1.0062108	-	0.91520864	1.020/323	4 7346307	1 1378025	1 3642242	0.8825339
Acy-CoA dehydrogenase, medium chain	1.1408224	0.9393812	1.0458981	0.8714026	0.8133832	0.97958314	1.0344044	1.8480521	1.1/00/02	0.9975088	1355296	1.341076	1.6470395	0.8147816
Glutathione S-transferase Yo2 subunit	0.8428107	0.94495404	1,0044456	4 404 4 490	0.02037834	14170575	1 0834132	1	0.88853455	1.0364177	0.8973885	0.8579236	0.7391541	1,0201051
Carbony reductase	4 0454047	4 4453755	1 0685426	0 83874947	0.82780224	0.87846553	1,1145511	1,5665698	1.088069	1.4359344	1,0065987	1.8131748	1.6533845	0.82179064
Application E	18822881	0.7874391	0.93594456	0.9776657	0,73409873	0.9741074	1.0059757	0.66661423	0.8297237	0.6884912	0.570908	0.58846676	0.6055162	0.98801863
11DD-duramonavitansfemse	1.3424404	0.4749154	0.97977585	0.5200435	0.44962728	0.63179284	0.35583282	1.2465391	0.95874655	0.92436826	0.6400351	1.1065013	1.3510144	0.4938/2/3
Glutathione S-transferase P1	0.8663051	1.076283	1,1403731	0.7637772	0.8449987	1.0833361	0.9577858	0.95589856	1.2162798	0.87099314	0.8591335	1,0569386	4 4705647	1 1020174
Disulfide Isomerase related protein (ERp72)	1.0631297	0.72804564	0.8900929	0.6841598	0.6900248	0.90111303	0.6508789	1.3038956	1.1906022	0.91253/8	0.4413818	1.4043030	1 226268	0.8584179
Ribosomal protein L13	0.7987036	0.9864897	1.0552026	0.7010476	1.0615469	1.1452787	1.1807255	700000000	0 90256536	0.9781555	0.6692177	1,0157278	0.93048024	1.3128738
Cerulaplasmin	1.0499966	0.96012264	0.7980465	1.3343238	4 64 05557	4 5777706	1 1822001	1 1198063	0.9263414	0.9548768	1.0772283	1,5149103	1,6189203	1,3441819
Inter-alpha-inhibitor H4 heavy chain (1814)	1.1289102	1,4163194	7,50005.0	7'000110'7	I TOMPETO	יייי וייי	1.100.00.1							

														200000
	4 4569507	0.057776551	1 0214881	1 2246025	1.0137228	1,0078111	1.064075 0	95478487	0.805857	0.9228373	0.8556509	0.8629213	0.81190106	0200010
Phase-1 RCT-3	0.0004067	1 2524529	1 2737092	1.083402	1.3896496 0	.95607895	1.6622778	1,099533	1.1103649 0	98673224 0	77484455	115/15/6	1 4030000	902002
Fetuin beta (Fetub)	1 3835535	0.9145042	0.8245482 0	71801156 0	89593995 0	.72098875	0.7425517	1.0343965	1.181341	99194556	1222241	1 117816	0.655797	8574335
Carbonic arbutrase III secuence 2	0.9911626	0.88591266	0.8587354	0.7542559	1.4138757	0.6685381	1.0004045	0.777439	1 2282207	1 1750869	1 0568485	1.3406471	1,4693002 0.	99114805
Phase 1 RCT-10	1,081552	1.1311964	1.0811346 (0.65352345	1.0446334	0.912/491 0.	36200110	1.0132233 0.6523113	58107656	65443283 0	96732543 0	0.91443324	0.7254216	5734895
Alpha-2-microglobulin	1.228619	0.8014371	0.701739	0.7125219	0.6/23432	10280 100,1	1429921	8907005	78272455	0.8329431 0	.86158454	0.894872	0.8788291 0.	95585426
Dynamin-1 (D100)	0.84316677	1.0253592	1.0264208	1.4503937	1.10/33	0 9315282	0.9121771	1.1203974	0.8848813 0	0.86468464	0.7673679	0.7150117	0.7139488	0920515
Lysyl oxidase	0.8360915	1.0344333	4 4052000	4 5EB0700	1 3922738	0.8913679	1,2004559	0.6554707	76092386 0	82331854 0	854 0.80348635	12961622	1.0416531	20000
Phase-1 RCT-252	0./863026 4 4813276	1 1509322	1 0317165	1.7830291	1,3734831	1.4671552	1.2625108 0.9767	9865	0.9321907	89839596	1.0411896	4 7004644	1,0053350	2621464
Phase-1 RCI-29	1 036466	1,2274649	0.9952183	2.0678842	1.186051	1.2552152	0.9631395	1.0172904	0.9011984	0.95626314	1,0340017	1 1050476	0.8781248	0091847
Phase-1 RCI-276	1,2023827	1.1570387	1.1321098	0.9663693	1.012958	1.037522	1.0066016	0.988573	1.0049137	1.0301443	1 0285759	0.8932505	0.9263936	1.0806588
Dhase 1 RCT-25	0.86940813	0.99999994	0.9931796	1.0220648	1.031611	1.055501.1	1.13/0031	1430508	de	0 5943717 0	69426745	0.7225107 0	70189506	1,062508
Cynchrone P450 2C11	1.0935163	1.1617872	0.89547586	12530664	12243714	1.0325491	7.105011	4 4408463	677775	1 0207412	1,1000757	12595373	1.4430233	2,922,8757
Phase-1 RCT-202	1.0355985	0.8989159	0.9563529	0.72806984	0.708/381	0.7527668 0	70707796	1 0489924	1.0127781	92089295	,98515266	12215081	1,3847284	1.1032084
Complement factor I (CFI)	1,5255425	0.96620214	0.92488/06	1 3050173	1 0113871	1 047991	1 0082754 0	0.85785073	0.8890767	0.9562833	1.0041722	0.8418013	0.7326724	0263379
Proliferating cell nuclear antigen gene	0.8539039	1.02/9/9/	4 4264003	1 2527953	1 348173	1.3015845	1,220127	1.0323893	0.8574825	1.2900977		0.7646174	76430136	1.1931349
Activating transcription factor 3	1,013413	0.05400447	0 07356844	1 5041813	1.0835233	1.0837781	1.049512	0.8950505	0.8808481	3.89580874	0.97237295 0	0.90022784	20144/05	900000
Focal adhesion idnase (pp125) AK)	0.83050115	1 0372815	1.039138	0.73447627	98352736	0.83222363	0.9290679 (0.88050663	0.8883271	0.9851575	0.9803476	1,0501270	0.0142.1010	9096089
Phase-1 RCT-289	1 0304173	0.9408271	0.84644926	0.8646418	1,3281765	0.86649126	0.9170876	0.92708147	0.8338955	1.0039/28	1.1884291	1 2254508	13025224	0.9084047
Phase-1 RCI-239	1,1373384	1,0171851	1.0931163	1.6909759	1.1853861	1,0078838	1.096173	1.1183586	1 2228448	1,0449297	2 0844798	20641513	1,9905267	1.1914444
MHC dase (anticen RT1 A1(f) alpha-chain	1,0448114	1,3959838	0.94419193	1.199634	1.4748625	1.2823601	1.1030130	2.0933030	1 0788096	0.8451292	0.9578979	3,82425106	0.8813303 0	90815234
And authoransferase	0,7953389	0.753395	0.8784763	0.76909137	0.8507726	0.634/285	1.0/00013	111600081	4 048853	95085007	1.092787	1.0744122 (3,90299755	0.9384784
Phase-1 RCT-171	1.0261302	1.0189476	0.9198986	1.01489	0.8800453	0.9430004	0.0735203	1 0678772	0.69308823	0.777191395	0.64920276	0.7653472	3.83493286	1,0338033
Prese-1 RCT-83	0.83264947	0.79760003	0.7535832	0.52399904	0.63337783	0.337.3801	87087774	1 1947669	1 2054355	0.8441143	0.763102	1.2004589	1,6963117	95195144
Phase-1 RCT-270	0.87422216	0.9629848	0.87969074	0.45418254	0.7430033	0 9649407	0 94 99521	1,3810562	1,3663069	1.2423621	1.4021025	1.257021	1.420328	1.0113741
Colony-stimulating factor-1	1.1068418	0.831//86	4 4049543	4 4306034	1 1643023	0 97246784	0.9292427	1,3054544	1.0705295	1.1956307	0.8866919	12157358	1.1323574	0.9308812
N-cadherin	TECCESTO .	1.1430013	O OGEOGRA	0.8239024	0.8216485	0.78328038	0.7099016	1 2923689	1.1439215	1,0744962	1,0386945	1.2472843	0.9314030	4 007744
Phase-1 RCT-62	1,0074233	1 1023167	1 1614441	1,1210755	1,202915	1.2602457	1.168803	0.98096126	0.8858082	0.9838833	0.91201365	0.959/909	0.812830	100057837
Phase-1 RCT-22	1 0678574	0.8638243	0.9531363	0.99707156	0.9087637	1.5190817	0.9012937	0.9033825	0.8373443	0.905659	0.3913174	0.090422	1 0891805	1.0187443
AT-3	0.899071	0.95446897	1,0060587	1,0009229	0.9983728	0.95747703	0.929618	0.9614309	0.90958226	0.985/60/3	0.50045335	20/36/05	0.86374	0.9537707
Phase-1 MC1-18	1,0927573	1.0666302	1.0512145		1,0838073	1,099916	1.102237	0.8787104	4 0044795	0.00002318	0.6148752	0 9466324	1,0491471	1,0892553
Oheen 1 BCT-68	1 2924048	0.67541735	0.9377966	0.94120854	0.83318025	0.8355864	0.8538346	1.283200	002450	2015				
Enulprative ntrobenzythlolnosine-sensitive			-		COCOCCEC	0.47206527	0.66007876	1.0273247	0.9247708	0.8749513	0.7582243	0.88529557	1.0501485	1,0764986
mudeoside transporter	0.7307426	0.7673428	0.7783615	0.4455/303		-	1 0657676	1 0515785	1.0017899	1,1312804	1.608728	0.7846751	0.84871876	0.87131107
Gucose transporter 2	0.8797958	1.0275903	0.992.31607	0.7052640	47519770	0 92186743	10628251	1,3861121	1.2979838	1.2549826	1.7537497	1.1787742	1.1880466	38134684
Mulidrug resistant protein-2	1.1481524	0.8363312	0.9320033	554 A 88386073	0.8589148	1,0241739	1,1238129	1.5685122	1,3915615	1,3568498	1.8848891	12462852	1.2436864	0.8325000 0.8325000
Multidrug resistant protein-1	4 2486393	1 4071151	1.005715	0.9186388	1.3560539	1,2332058	0.9868732	1.8883654	1.4821764	1.3922219	1.98940ZZ	1.9454639	0 98799974	10188094
Phosphaldylethanolamine-binoing protein	1.0516315	1.1840464	1.5775652	1.7607824	1,4517055	1.7628988	1.6642288	1.0773555	1,05685//	7070777	0.8636843	1.0343568	1,085002	1.1030147
Friedric beta-4	1.294104	0.9524283	0,97930783	1.2853718	0.96585286	1,0348159	1.069943	2 0678434	1 53635	2.4853442	1,4049046	1.4960599	2.16076	1.3064842
NADPH cytochrome P450 addoreductase	1.1698881	1,3679698	1.0728246	1.063082	1.30/194	4 10/3252	10756267	1 0543739	0.89747334	12638066	0.9474638	0,7585103	0,6368358	3,945,872,63
Waft	0.85196006	1,0200988	1 2889898	0 94205755	0 62894636	0.76219285	0.7385468	1.1195029	0.79927456	0.65271235	0.9029618	0.8854743	0,7403572	1.72555/5
Endogenous retroviral sequence, 5 and 3 LIK	0 9407805	1.0303036	0,99566756	56 0.86378926	0.96616286	0.8923368	0.7827317	1,2220254	1.1792626	1.2209578	1.1197726	0.0027583	1.1163/63 0 8883911	0.9796969
Phase-1 RCI-53	0.90162414	1.011387	0.99003524	0.97845227	0.9754775	0.95294565	0.9704448	0.9042487	1,00004	1.00400.T	1 0079275	0.87796533	0.79297245	1.1408398
Phase 1 RCT:240	0.91149837	0.9556544	0.95252806	12351662	1.0866823	1.1124026	1.0356856	0.977785	1 0305511	0 9434691	1.0788307	0.9433483	1,0466512	1.1438007
Osteopontin	1.5992857	0.7062796	0.90221894	0.77628136	0.7425420	0.77307	0.00//2030	1 3242518	1,1325101	1,2319745	0.76311177	1.0531687	1.1498576	1.1098064
Organic anion transporting polypeptide 1	0.807120	1.084782	1,0/6/26/5	0.832002	4 433724B	14197551	1,0249023	1.02327	0.89269006	1.0249528	1,0259453	0.93447846	0.8375238	1.079635
Phase-1 RCT-241	1.188928	0.00066207	0.9590197	2 0318098	1.0482489	1.0928494	1.064651	0.86900395	0.7903242	0.89651006	0.8211656	0,72451955	0.7762000	1.2001340
Tissue factor pathway inhibitor P27kin1 (alternate	1.000021	0,000000						000000101	4 4970599	1 0004419	1 7011659	13710533	1,3343687	1.3020911
done)	0,969574	1,2550365	1.1027818	1.2465485	1.4292948	1,133646	1.2503417	0.8806232	0.71001244	0.914054	0,63686854	0.6763162	0.80557424	0.89164287
Phospholipase D	0.891027.	0.95475614	0.89917904	1.1742921	1,0253811	1.03 14243	0 99337864	1.040696	0.93609387	1,0406773	1.2819062	0.99504584	0.9256824	1.2840448
Phase-1 RCT-39	0.921584	1.100235	0.90035004	0.004/03875	1 0336983	1 0429525	0.9897436	0.9347482	0.8953947	1.0417087	1.1318753	0.9817533	0.9842877	0.98808926
Phase-1 RCT-258	1.14045	1.0001/0	8513615	1.6418266	1,0174708	1,0088372	1.1194016	1,1236657	1,0883996	12437439	1.5932126	1.0436/3	1.0003383	0.0000
Phase-1 RCT-113	0.8732875	1 010799	1.0594313	1.2645969	0.9783097	1.1737443	1,0992,467	0.B1544966	0.85329163	0.84750336	0.004031	1 510016	2 01R37R5	3,5093846
Adenine nucleotide translocator 1	0.7177	1 0.973581	0.98004603	8.078978	1,3356173	2.2230015	1.5230987	0.88165474	0.66518587	7875284	1.0413301	0 5483819	0.8102344	0.7986203
Apra-1 acd group well	0.919363	4 0.925120	5 0.97015774	0.9405395	1.0286768	0.8211171	0.9449858	0.62155457	U.402U1450	U.COCOCOCO	- Arreston - 1			
MIC Case of the second														

						- 1	100000	2000000	O DEPOSATORA	latanea o	A 925063	0.74522811	0 R723234 0 98356926	3,98356926
Omanic caffor transporter 3	1.5014112	0.96837604	1.1964558		1.0286026	1.1544363	r/c/semt		0.0033400	200000	O DESCRIPTION OF THE PERSON OF	0 74700RF	0 771852 1 1336763	1 1336763
	0.91360164	1.1338121	1.0163976	1.1111922	1.2057654	1.1810203 1.1585656	1.1585656	0./4550055	0.0011000		0001000	200	20145045	4 0309030
rector 1 alpha	02077607	4 4424050	1 0841577	1 1342176	1320881	1,1342,176 1,1320881 1,0763777 1,0937909	1.0937909	1.00973	1.00973 0.9969859]	1.0709497	1.1951399	0.8910000	1.19513991 0.89505090 0.79139151	
Phase-1 RCT-43	1,0344573	1.1421533	10001	4 4004770	4 404 204 4	4 4004770 4 4042044 4 0548273 1 1172342 0 96452755	11172342	0.96452755	0.8007336	0,9067733	1.0885154	1.0885154 0.90414584 0.7674184	0.7674184	0.9809716
Phase-1 RCT-45	1.0004749	1,0981597	1,098159/ 1,003/135 1,10012/19 1,10012/19 1,0017/19 1,00	1.10012/9	1000	4 00000	1875764	0 0527522		1 0257226	1,3567909	1,1645244	1,3695538	1.0490597
mase, cytosolic	0,8338453	0.9336579	0.93475246	0.68918626	500	1.02220	1.1243904	4 450005		0 92547445	1.5604578	1.1016504 0.7959865	0.7959865	1,9064653
	0,74078804	0.8693501		1.3432841	0.2813903	0.74082054	0.43530040	0.0000	1.14U8ZUS4 U.49Z33040 1.13V8Z3 U.0113T42	0 8676954		1,1010953 0,9498167	0,9498167	0.9406541
-189	0.75715715	1,2335457	1.0703472	0.7346783	1.283/465	12230300	12 02031	0.0144140		0 85899115	1 1074455	1.1074455 0.81708974 0.88068616	0.88068616	1.0637989
Alpha-fetoproteln	1.1006354	0.9039449		0.9449799	0.9440124	0.3241.320	OCCUPACION O	0.9241.320 0.003.25.30 0.001.00.00	1 0419378 1 0741081	1 0741081	1.0399505	1.0399505 1.3957212	1,1361406	0.8923126
Calgranulin B	1.0260104	1.0260104 0.91677314		0.9519699 0./6015025	0.8185104	0.8186104	0.30400	0.300408 0.300408		0 900944 0 87900794	0.8458174	0.8458174 0.87115425 0.88332814	0.88332814	0.8658883
Tissue plasminogen activator	1.001575	-1	٧į		0,6614530	0.8614535 0.07302303 0.92400 0.0043030	0.35400	1 0715599	Ε.	1.017381	1.271376	1,1544542	1,3251666	1,0764705
Phase-1 RCT-195	0.96035516	1.0526527	- 1	1.0150492 0.79827714	0.945/60/	0.3227 1300	0.3042000	0.3227 1308 0.30424304 1.32 13333		0.7539876	0.5532816	0.72574	0.8093471	0.6836609
Liver fatty acid binding protein	1.0943178	1.0943178 0.9296166	- 1	1.0378845 0.59124345 0.62302417	0.62302417		0 80801544	4 Managa A BAR04544 1 0673943		0.99302626	1.165283	1.2354097	1.1622768	0.958391
Alpha-1 microglobulin/billamin precursor (Ambp)	1.2884033	1.2884033 0.99379224	1.02235/4	1.02236/4 0.94352.70 0.966465	0.3004000	1000000	4 0460601	0 94831586	A AGENCAL 4 ALEGERAL D 94831586 0.88722118 0.96159446	0.96159446	0.879703	0.8076168	0.8012747	1.1406285
Phase-1 RCT-294	0.9492544	1.0951104	0.9492544 1.0951104 0.9/223085	٦)	1.0210120	4 9000700	4 M357044	4 (7957044 4 47778777	1 1770124	1 1770124 1 260919	1,512124	1.2920718	1.2138562	0.94952595
Phase-1 RCT-151	1.1216741	12162656	1.2162656 1.0780443	- 1	•	1,3039702		4 0465545 0 95889564		0.836072 0.9283079	0.8838912	0.8838912 0,78489614	0.8007601	1.0426725
Phase-1 RCT-158	1.0758731	0.96415293	이	12/208/	1.1110315	- 1	0.000000	4 4305263		1 1242981		1.1551108 1.2108594 1.0200552	1,0200552	1.0277013
Phase-1 RCT-221	1.0755467	0.9750239	⅃	- 1	1,0186245	- 1	0.3300033		4 040/806	4 0224304	1 1555163	1 1555163 0 9982739 0.95665634	0.95665634	1.2671851
Phase-1 RCT-235	1.1176676	1.1176676 0.94017607	ᆚ	12442632	- 1	- 1	1.002/010	0/02/2010	4 0535018	4 0140158	0.7407808	0.7407808 0.8918151 1.0225805	1,0225805	0.89331
Organic anion transporter 3	0.6575787		_1	0.9299071	0.768092	0.768092 0.8453173 0.6503636 0.8577546	0.0903030	4 2002208	L	1 4108827 1 0354248	1.5808303	1.5808303 1.2799987	1.3507673 0.81859463	0.81859463
Matrix metallooroleInase-1	1.1856462		- 1	0.79176176		0.7999087 0.79176176 0.79886425 0.7848874 0.31220433 1.2302530	0.31230433	74003005	1	O PRAMERA	0.8553526	0.8553526 0.9944834	1,0522751	1.0879978
Urinary protein 2 precursor	0.866904		0.72382784	0.72382784 0.54337156	0.6997538	0.6997538 0.66500336 U.7131872 0.74393623	0.7131972	0.74333023	0 0522000	1 (2)93903	1.0131068	0.8411049	0.9560429	0.9542072
Phase-1 RCT-212	0.85254616		0.8273309 0.85524774 0.99730897 0.88056556 0.8075263 0.805014 0.9627340	0.99730897	0.88036336	0.3075253	0.3030014	0.30213403	200					
(1) Gene expression data for 6 hour timepoint are														-
presented as mean ratio of treatment/control for all 6														
hour predictive genes (Table 18).														
(2) Compound and dose abbreviations as in Table 1.														
(3) Individual animal number														Ī
(4) I liver inflammation classification for compound-							,							
dose anun al 72 h; yes-nea, necrosis observed; yas-														
both, necrosis with inflammation observed; no, no														
histopathology observed														
(5) Predictive gene (as in Table 18 and as included in														1
(Table 26)														

Table 28. Expression Data for 6 Hour Timepoint (1)														
	TAME	TAM SO	TAM 200	TAM 200	TAM 200	1 50	TET 50	TET 50	TET 150	TET 150	TET 150	THEO 25	THEO 25	THEO 25
Compound-Dosa (2)	1442	1443	1451	452	8	121	22	133	241	1242	1243	2521	2522	2523
William Mainer (3) (1) wer Toxicity Inflammation Classification (4)	QL	2	e	_	-	_	-	-		уез-пест	/es-necr	2	2	2
Gene Name (5)								-	7,300,00	3000300	4 5054053	0 7753044	0.00648054	1 127146R
Insulin-like growth factor binding protein 1	0.8906694	1.0075512	1.1390456	1.351/61/	1.7847229	1.0978009	1 3103202	1 7287107	1 6459739	2 586845	2 2226994	-	1.1924525	1,0757678
Gaddisa	4 6004067	1.0132202	1 2269040	4 0127817	4 40104R2	1 0826228	1 249958	1 2298065	4.240596	2251538	2.1081502	0.8519322	1.0658635	1,0058763
Nipk	12165554	1.1002748	0.9807164	1.104517	12421268	1.1071142	2,668978	1.4669368	6.4005113	1.386775	1.4023478	0.8020333	0.882137	0.96863944
Catherein segrence 2	0.78811496	0.6989568	0.77263445	0.9096466	1.0990357	1.1176881	1.0854284	0.10887622	2,4765199	2.8016455	2.2516057	0.90041244	1,339304	1.1568261
Hame oxygenase	1.5392202	1.1466633	2.1472974	4,2234936	3.2589738	1,0094517	1,46658	1.6177213	1.598419	2,06196	3.041665	1.0568699	1.0359479	1,4593674
Phase-1 RCT-109	0.92555076	0.9437618	0.9054754	1.1708034	1.3785588	1.2015407	1.4353443	1.4603536	1.5643387	1.167983	1.2676982	 .		1.1133103
Phase-1 RCT-111	-	1.0653113	1.1417251	1.2714856	1.0526563	0.88538855	0.99261373	0.8969012	1.4206935	0.72425264	0.8021205	0.88827324	0.96479535	0.949/8833
Argininosuccinate lyase	0.7586735	1.1721493	1.4173987	1.207534	1.4724733	0.72615886	1.0349171	0.86361146	2,429773	1.6964365	2.3832268	1,85//434	1,016/269	1 2100030
DNA polymerase beta	0.8012449	0.9722332	0.91579944	1.0373935	1.0773333	1,0389502	1.0613775	1.1609696	1,5496792	1.6366683	1.4800037	7802960	1.0046000	1 0019352
Phase-1 RCT-103	0.9081502	1.0296378	1.1281718	12247896	1.0428515	0.9035851	0.95/6895	0.86540897	1,388/836	2 4469277	4 7E80E3B	4 22M3045	1 2728043	1 1548127
Ribosomal protein S9	1.012861	0.94266798	0.9867108	1.312525	1.2063249	1,635/332	0.080677	0.9788037	4 5355262	1 2PS17R4	1 118625	1.168735	0.9276243	1,0309875
Phase-1 RCT-114	1.3/1692	1.1015629	1.0769171	1 7128470	2 085583	0 72029114	1 160184	1.0666533	3.7141626	1.5848471	1,8093436	1.1192573	1,0851093	1.1902155
Phase-1 RC1-15	1.7307833	1.6472535	1.5632253	3.163692	3.3913941	1.1714371	1.1485512	1.1319925	2,8700662	1,01659	0.81371814	0.7895597	1.058721	0.8434629
NGF-inducible anti-proliferative putative secreted								,		00700727	710070	1 2054676	70220030	4 4530450
protein (PC3)	0.76739347	0.73865575	0.786059	0.7738565		0.95801574	1.1197777	1,1317866	5.7680564	1.7429188	1,5/405/3	1,2031000	0.83933304	1 02/4783
Phase-1 RCT-191	1.1425978	0.9477639	0.89055824	1.0890629	1.072161	0.63319455	0.7237082	0.7608514	1.135000	2 254 4 426	4 0034572	0 8817876	0 8654558	1 1283776
Phase-1 RCT-63	2.1979995	1.7468144	1,334263	1.3804008	1.285/36/	4 50 452 64	1,0333527	4 4700770	4 4004487	2 8678057	1 7448RR3	1 0970625	0.9655759	10714818
Cyclin D3	1.9681176	1.7564343	2.330655	2.42771	2.7210839	1,0846264	1.14/024	1.1238/2	1.4824407	7.007.00.2	0.7006272	0 6583852	1 0451039	1.0707363
Phase-1 RCT-108	0.9585504	1.012313	1.1192803	1.036/656	4 5700000	0.95013513	0.3140403	1 024100B	100000	3 6247883	2 5909615	0.79137415	0.7604409	1,108697
Phase-1 RCT-56	0.9156/11	1.088/236	0.9650173	1.4300/12	1.37 03300	1 0285283	0 91775393	1 2390001	1 4113235	1.0666487	1.0069139	0.79006684	1.0562873	0.95312166
Phase-1 RCT-192	4.000000	1.1181888	4 070364	4 064634B	4 4798095	0 9794541	1 3388108	1 3478543	2 0255203	1,5425689	1.4505416	1.3067768	1.0070978	1 2262719
Phase-1 RCT-75	1.0833299	0.857.6993	1 6661114	1 1750461	1 5631254	0.99028873	1 297844	1.0946552	1.4675243	1.0144334	0.99486804	0.9713193	0.9311663	0.9759992
Phoen I DCT of	0.9843832	1.124819	1,0298305	1.233514	1,0197532	1.029568	1.0110143	1.0716096	1.3983237	0.753112	0.8390915	0.862542	1.0072726	0.9588766
Cystatin C	1,049937	0.7634219	0.97392267	0.8807432	1.0413175	1,1324738	1,36361	1.6696007	1,2835993	1.5019355	1.4511273	1.303239	0.9721907	1,0105284
Phase-1 RCT-49	1,2273704	1.015135	0.91095406	1.2127489	1.3128952	1.1193554	1.388967	1.3196394	3,5828943	1.6736058	1.9922246	1,0/98991	1,000 and 1	1.1/20031
Phase-1 RCT-9	0.60670775	0.81450504	0.7173612	0.6817595	0.708/39/6	1.1656492	4 9000000	1,226/8/1	1 648944	2 7049263	4 038101	1 1666389	1.0466483	1.150977
Gadd45	2.3321905	4 0707444	1,3951899	1.332/4/1	7012611	1.1232302 0.063232495	0 57683593	0 8299702	1 3373412	0.823356	0.83468	0.9664483	1,0017228	0.93802524
Phase-1 RCT-156	0.3010079	1.0727 [4:1	0.035000	0 9541578	0.95183754	04326	1.0830635	1.0588142	1.705272	1.4524288	1.3114225	1.2929584	1.1008664	1.2020885
Decor 4 DOT 497	1 2737762	1 1018689	1 25823	1.3076588	1,2104185	1.0452561	1.1627007	1.0819112	3,1272588	0.73121	0.9245081	0.86573064	0.9806012	1.1231229
Macrophage inflammatory protein-1 alpha	1,7530977	1,0012385	1.0678896	0.94255537	1.1537448	1.0747093	1.0173438	0.985906	2,6214674	1,5245483	1247878	0.75259054	0.9752287	0.7763016
Zinc finger protein	0.87547904	1.0066345	1.2082301	1,4653074	1.0416542	0.98554564	1.1094133	0.9994335	5.868788	1.2830467	1.307543	0.8342457	0.9410725	4 4201124
Phase-1 RCT-73	0.87017	1.0596572	0.9114673	1.0039325	0.9140292	0.91203304	0.8499407	0.8894822	0.9585655	1.2265097	4 2455644	1, 1303033 1 590084	0 85641235	0.8273197
Glutamine synthetase	1.302443	1.0803361	1.398/229	1.7521/56	1.1696112	0.00007176	n AROA766	1 5424205	0 63056684	1.846223	1.4642987	1.3067627	0.97173315	1,5207027
C4b-binding protein	4 7899341	1.132334	0.8610015	1 3999615	1 6353492	1.008149	1.1720295	1.076548	9.684165	1.4815421	1.4925084	0.9431441	0.9746188	0.91485965
Phase-1 PCT-50	1.0340571	1.124537	1.1887858	1.2070966	1.1305026	1.1067357	12325734	1.3421224	3,227,2909	1,4457723	1.3720336	0.78720987	0.9865749	0.89884746
Floreston factor-1 alpha	0.7759746	0.9076935	1.0527009	1.131851	1.1981305	0.69235337	1.1331064	1.1147811	1.40229	1,5782937	1.3578689	0.97396517	1.0361316	1.041973
Integrin beta 1	1.2657907	1.0296934	1.1992862	1.3247744	0.91961974	1.0729389	1.0235454	1.0216045	3,1595175	2.2417653	1.8436278	0.99143/85	0.9792584	4 4474796
Insulin-like growth factor binding protein 5	1.1077015	1.1274874	1.0986774	1.198401	1.0652078	1.1434776	1.2203182	1.110838	1,8/2816	4 0355944	0.9130430	0.3130454 0.76870174	1 0484384	1 0540829
Phase-1 RCT-59	0.8245062	1.0750806	0.9478618	0.9244025	1,0301212	0.9119055	4 0066424	1.0421901	1 4014567	F8252270	0.8018933	0.6855718	0.990742	0,8349519
Phase-1 RCT-76	1.025867	1.030339	7.7770000 U	0 7885415	1.163033 1.163033	0.96307.93	1.0000121	4 447447B	0.9458926	1.4246433	1,4388057	0.9142672	0.93443066	1.0503954
Fertin H-chain	0.6778340	4 102272	0.00304404	0 99446994	0.8783381	0.68402934	0.8396206	0.7575917	0.7612601	1.0125946	0.9651526	1,2996927	1.0750351	1.1414456
PTENMAC	1.3133019	0.992480	1.1582446	1.0474167	1.1592295	1.1237624	0,85910803	0.93637246	1.1709976	0.7386067	0.75551695	0.88132364	1.174139	1.1733375
Phase-1 RCT-214	0.8361686	1 0.919677	0.62345755	0.6201433	0.54618	1.0316507	0.90556145	1.0152906	0.33577156	0.72824794	0.8508135	0.5850188	0.9382320	0 7337993
Phase-1 RCT-112	1.059522	1.1341612	1.1757693	0.94446605	1.0539391	1.1590177	1.0216527	1.0286280	0.5025075	0.11/01/3/	0.30003173	0 R9943904	11111943	1.0587991
Thymidylate synthase	1.0684782	1.063810	1.062865	1 627/0244	1 6538672	1,037,61	0.94331300	1 0445713	0 47539138	1.3312387	1,119602	0.50379115	0.5740242	0.60544734
Phase-1 RCI-13	4 2255246	4 7245058	0 8501820	1 145272	0 65966415	0.4755126	0.33247996	0.36266896	0.618241	0,7025522	1258526	0.8543731	0.9623375	0.95584035
Cholestern 7-apha-hydroxyase (P450 VII)	1.6810906	1246549	0.9045895	1,5433869	0.573129	1.062892	1.1226137	1.0375427	0.43523644	0.5093055	0.7561398	0.7853536	1.6901469	1.1785723
Vestular monoamine transporter (VMAT)	0.8443513	0.919870	3 1.1728456	1.0100982	1.2280822	1.108247	1.1758121	1.0919985	0.43284997	0.9004885	0,89015996	0.7278493	0.88983417	0.8889598
Phase-1 RCT-260	1,343190	3 0.7818906	5 0.8749734	1.0123042	1.0063905	0.94323826	0.96460354	0.9508493	0.85332304	0.7649449	0.8275525	0.738388943	0.3655241	0.07 13013

Phase-1 RCT-32	1,2240198	0.7983475	0.92072046	0.92193305	0.93404496	1.0838318	1.8185769	1.4824212	1.352119	1.2394242	1.0108953	12120286	1.241053	1.2234377
Peroxisome assembly factor 1	1.1734082	0.8975077	0.89879274	1,0791085	1.1471466	1.0479531	1.0649261	1.036018	1.1395564	1,4047086	1.3481822	1,1471708	1.1252168	12338299
8-exeguanine DNA glycosylase	1.340345	0.92793554	1.0716586	1,0491873	0.92732376	1.0881871	1.1418774	1.1355017	1.1671425 0	.49547002	0.4766083	0.85592383	1.1389185	0.9919823
Phase-1 RCT-82	0.8709383	0.88646215	0.8628906	0.9813061	0.84329057	0,9942754 0	0.96547383	1.0147123 (36622822	0.8019152 (78159827	0.8800565 (0.94637114	88072515
Matrin F/G	1.0760721	0.9985943	1.2867024	1.0124642	0.6306712	0.6951804	0.5950467	0,462839 (1,40002295	0.5284372	0.6219236	0.8973355	0.9116537	0.9693495
Phase-1 RCT-184	0.80295944	0.83827645	0.89580536	0,8955905	0.9535549	0.8950133	0.8851244 (0.91436857	0.7600463	1,016298	0.9823552	1.0715963	0.9475408	0.9159798
Phase-1 RCT-168	0.7102844	0.76287436	0.72195107	0.7088559	0.5709583	0.88917226 C	1,59989476	0.7698506 (35447097	0.6975219	0.6754807	1.0584272	1.031299	1.0356401
Phase-1 RCT-119	1.0359875	1.2203325	1,5088385	1.0357172	1.1789049	1,0091828	3.89598306 (0.98807013 0	.64054143	0.7311688	1.074997	1.0987856	0.8350776	0.8332445
Carbonic anhydrase II	1.5001194	12443522	1.0793313	0.80360675	0.51119137	1.155985 C	1.91539705	1.0896766 (0.41322973	0.7002698	1.1377472	1.1390775	70542115	1.2280916
Tryptophan hydroxylase	0.74921423	0.9135286	1.1381304	0.8054801	0.97723347	0.9127503	0.9082804	0.8006082	0.6327201	79468685 (0.62739456	1.1699303	1155551	1.1199036
Phase-1 RCT-71	0.8613675	0.90405464	1.1807245	1.4632176	1.5235918	0.9734789 (0.90475434	0.943261	1.4141116	1.0318687	1.044/232	1.1502583	1.18552607	1.1942304
Phase-1 RCT-179	0.8465593	0.9728017	1.2646106	1,5/99/81	1./686863	1.0316507	0.822316	0.9616047	2.9232832	2,0343,003	23344300	70400344	1.1039/ S4	0 700/18
Phase-1 RCI-161	0.87235325	0.352534/4	0.8822083	4 4004002	0.44843167	1.0048907	V. 0000000	0.303404	200101000	4 0003400	0.02333020	O SERVENSE	1 0277898	1 000451
Phase-1 RCI-20/	7,0000	0782870	1.101.415	1.1091903	10090001	4.4974660	0.8223094	4 6906700	2509055	2 00000000	4 8000603	1 2085800	1 1826333	1 442581
F1886-1 RCI-144	1.1033031	120400001	40405004	0.0000533	0 0002014	0 9503634	0.5030/443	A REFORDS	3040858	0 5004572	157194065	0 R893925	1 3970246	0 949782
Phise-1 RCI-225	0.3014.34	A 9620062	0.5745576	0.8392333	0.65067007	4 4365305	4 4023635	4 42424BE	0.43764635	7560367	0.6722736	0 5736742	1 2321031	0 7706027
Cylodricate r450 ZE1	4 07440	A SECOND	100000	3 8	0.004776	1 0016540	1 2844R7	1 1010382	1 0753747	1 389B617	1 1907985	0 68451446 (0 79780364	0.820941
Thomstown 1 Circl	1 2433465	1 0298781	0 98359007	1 1378111	1 0943652	0 8792204	84630084	187773863	1 0355676	1.5046414	1,4396245	1.1425707	0.981987	1.0823907
Control (1141)	22074000	4 6609068	4 434428E	0.5744073	1 SECONDOLO	0 3137076R	0.3683957	1 40538206	0 35588402 0	21244657	128394607	1 2589093 (47767342	0.336306
Phase 4 PCT-140	1 049487	0 9804664	0 97897165	0.9312963	2264	0.9642846	0.9901537	0.95297533	1,1208074	1.1117298	0.8949988	0.90258133	1.0372907	0.9310152
Complement component C3	0.87598103	1 0219176	12665561	1.3959281	1.4292867	0.87813973	1.1189898	1.0403963	1.1706262	1,202,1538	1,1601868	1.1431789	0.855456	12988001
Calcolinase	2 0241113	0 71657413	1 2968189	0.9717113	0.47413266	0.9263198	1.0452824	1,0091162	0.17267472	0.6399636	0.5122083	0.4382007	1,0890862	77798927
Phase-1 RCT-173	1.1316072	1.002172	0.8278406		0,7439045	0.8722788	0.7082596	0.8797341	0.8013868	0.50569	0.49994707	0.8641028	0.96053725	0.6828304
3-mathyladenine DNA plumeylase	1,5303708	13062323	0.8391614	0.95079136	0.87682754	1.0540717	1.1021765	1.0856712	1.1290236	0.8920458	0.9157869	0.85585105	3.99130285	97110593
Peroxisornal multifunctional enzyme type II	0.9293192	1,0368504	1.1712062	1.1154138	1.0727375	0.8296418	1,0383184	0.9635738	12593834	1.1665587	1.1636746	1.3885554	1.0118332	1,2059176
Phase-1 RCT-40	0.798094	0.89909184	0.85206723	0.82832813	0.7719045	0.9577521	3.89871234	0.87207156	0.7079805	0.9545589	0.865555	1.0881213	0.878525	98226583
Senescence marker omtein-30	0.94552064	1.1650062	0.9105342	0.87354547	0.589164	1,0935825 (0.89755344	0.8404867	3.27953448 6	1,37857985	0.5033277	1.1814433	0.8658488	1.256244
Cyclin G	1.7809172	0.98576266	0.7482751	0.9870411	1.3463203	1.1237624	1.0946981	1.233938	2,4413002	2.4921587	1,3049314	1.493512	1.1726016	12441028
Melangma-associated antigen ME491	1.1453857	1.003725	0.85212284	0.94894385	1.1092868	2.466284	1.1839517	1.4189691	2,0501099	1,7088709	1.1281859	1.1837671	0.9897392	37758484
Phase-1 RCT-28	1.5427645	0.993769	0.90199584	0.9628258	1.0543778	1.0650921	1.0196928	1.04226	0.9828648	0.9744016 (0.96663904	0.8852041	1.0782869	1.1410089
Emerin	1.0066795	0.8942308	0.84374696	0.8888914	0.8373954	0.92926514	0.8438871	0.882223	1.0141357	0.7976743	0,88126165	1.0019586	1,056036	1.0236068
Alcohol dehydrogenase 1	0.84730583	1.0755695	0.88793206	0.8420736	0.6554314	0.37971005	4.45004	1.54899246	0.6605806	1.2941558	1.183/809	1.3894365	7.005850	4 0270788
Stem cell factor	0.951/368	1 3219398	1.36513283	0.6521899	0.0428169	1.138411	1.1366916	1.1309311	0.3122302	4 404 5057	4 4048483	0.05200343	0.00000	O ROSBOAR
Dowler America schoolbellen dinks	0 9816162	1 2465923	1 1507634	1 1515619	1 1529557	1 1683562	1 0477769	1 1580608	32007143	0.6236531	0.94668317	0.7612394	3,94573236	3,86686563
Phase-1 RCT-55	0.8144665	0.651376	0.6732449	0.9040576	0.8420354	1,0488449	1.0537916	1,0531853	0.8916424	0.6834844	0.6411634	1.1299388	1.1210498	3.84459007
Ubiquitin conjugating enzyme (RAD 6 homologue)	0.8944734	1.1468316	1.11947	1,3307228	1,3360448	1.4110401 (0.92312694	1.1342868	2.4847426	2,1554332	2.0340924	1.1096836	1.1654197	0.9852318
DNA topolsomerase I	0.9085392	1.0252452	1.3391616	1.4383702	1.5401082	0.98323095	1,2396675	12329854	1.3153661	1.36683	1,303115	1.2968918	0.9504618	1.3364993
Phase-1 RCT-280	0.71833897	1.1296688	0.96810544	0.9307225	0.85165745	0.8594139	1.0939612	1.1654886	1.1687623	1,5020163	1.7023355	0.7940206	0.9688684	75/8550
Supercode dismutase Mn	1.5268167	1.1301152	0.8298544	0.94638956	1.6167457	1.0590942	1.2505109	1.1911262	4.0748386	6.1163354	3,9385533	1.19/8381	0.9695366	1.150//2/
Beta-tubulin, class i	0.8029044	0.62280047	0.6725357	4 0406400	0.9653844	0.93566483	1.0712517	1.13595/5	1 2453753	1.2591362	4 4774 804	1,413,2007	1.07.57.51	2401C04.1
Camamy phosphate symmetase I	4 4407504	0.855553	1.339/803	0 9780395	1 1 1 7 8 7 7 2 2	1 01403477	1 052754) R7656426	0 9420129	0 8919208	3 97811893	1.0378376	1.1559862	1.2475569
Phase 1 BCT-144	1 3234459	1 4813704	2 4516244	2 9857125	3,6146863	1.5132589	3.1322992	1.9534594	7.789068	5.8069673	3,9309442	1.1853232	1.1016117	1.7365593
14-3-3 zeta	1,0259553	1.0312307	1.0648961	1.0898188	1,0773017	1.0987899	1.0468837	1.0924345	1.7278771	1.6708562	1,5667573	1.1121051	1.1293842	0.9514876
Gamma-actin, cytoplasmic	0.7489455	0.58594143	0.52523404	0.8222899	0.7455295	1.0173455	0.9740222	0.98349917	0.60846967 (7.71540415	0.6340486	2.0583284	1 2051982	1.1316278
Ribosomal protein L13A	0.8620855	0.89726263	1.129362	1.2893931	1.2646034	1.3203602	1.6256821	1.6767935	1.4493297	1.3918498	1.4101118	0.99670017	1.0843643	1.1144984
lkB-a	1,0662452	0.97867095	0.8842042	12933981	1.4703851	1.0483662	1.6265179	1.4204295	1.6877391	1.2444522	1.0588301	0.9162865	1.1651336	1.1608186
Phase-1 RCT-65	1.1208055	1.0241032	1.0527843	1.0345284	1.0379571	0.8423903	0.87031895	0.6202197	0.9906632	0.8179236	1.013863	1.12009/5	4 4722440	0.3676030
50	1.5384387	0.7231992	1.0636092	1.2081821	1.136395	0.3034125	0.85414235	4 0005000	1,4420604	4 4520222	1 BAB3074	0.5047330	80577790	0.7949851
Protein O-mannosytransferase 1 (Portit)	0.9319395	1.0913236	1.2251369	1.0/4/342	1 100177	0.97.200644	0.8810173	771001000	0 8720368	0 8498437	0 8597248	0 9062315	1.164568	0.9986331
Divid Con (councilise Dheen 4 DCT-12	4 0457R7	0 735325	0.84780693	1.0494295	1.177537	1 0101236	1.0343647	0.9190474	1294021	1,0962965	1.0945913	1.0143346	1.0352811	1.1938556
Interferon related developmental regulator IFRD1											_			
(PC4)	0.9737964	1.0953354	1.2916914	1,5498939	1.7393152	1.0691351	1.0795922	1.0555514	2.97996	2,3007605	2.1452572	0.98762304	0.9877742	1.1450814
Glucose-regulated protein 78	1.3443254	0.99099267	1.5118951	1.874118	1.897321	1.046882	1.1406733	1.2933913	1.0620028	1.4072579	10972332	1,5509135	22381144	7.35.25627
3-beta-hydroxysteroid dehydrogenase (HSD3B1)	1.0412668	1.4430685	1.4229106	1,2230406	1.1908451	0.8068038	0.8191238	0.8278001	1.2895063	1.3983064	1.1869123	1.1011038	0.357 5606	0.009427.04
Caspase 6	1.3769325	1.028136	0 9/1/5/081	1.15/6191	12105614	1.089/089	1.9851//46 1 007920E	0.9057799	2 5704394	1.2100043	13402148	0.8055523	0.9502533	0.7526875
Phase 1 RCT-103	1 1231748	1.0010518	1 1075131	1.5096287	13376105	0.9881755	0.6992306	0.9203821	1.0991192	1,5332628	12428591	0.8666908	1,0374818	1.0427165
Phoen I PCT.34	1 1033767	0.8661957	0 72487605	0.64390755	0.48433024	0.9899812	0.90681964	0.8574428	0.27281132	0.698128	3,66782403	1.1486567	1.0831641	0.8465119
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Phase-1 RCT-72	1.1128669	1.0602037	1.0097517	1.01/8484	4 4665507	0.50000103	4 200005	4 4642030	0.002030	22459695	1 7085382	0.8595308	1.1542966	1,0015913
Pyruvale kinase, muscle	1.0028312	0.7241072	0.7957734	0.5223063	0.48918235	0.8923996 0	80409265	0.9025604	0.5053366	0.5982447 0	,56693715	0.742347	1.1300107 0	.85686237
Obere 1 DCT 60	1 1932207	1 066006	0.9606176	1.0738668	0.95686	1.0506722	1.0747324	1.0495512	0.5845688	1,0007155	0.7841795	1.2671229	0.8928271 0	.99588615
Prizase i RCI-30	0.4171272	0.40469366	0.54885	0.41835165	1.1247967	0.9871481	0.988419	0.8670533 0	.42368925	0.8934552	0.9184914	1.2778213	2,0493925	2.3230243
Cytodrone F430 2038 (augmans cyting 2)	11113084	1 0911269	1.9389725	1.4753388	1.1446602	12060581	1.551555	1,8110988	0.5935677	1.488804	1.9149762	1.1338234	1.1074755 0	93534213
Prese Not-230	1 0767693	1 1148036	10744517	1,0596523	1.0508051	0.97557396	.31963193	0.9288355	1.0052788	1,0235157 0	.94790906	1.2782471	1.031207	1.2046874
Mathdayl Col compass sinhs	0.66648215	1.0345472	1.080532	1,3722728	0.8271541	0.7184644	1247297	1,0936841	1,4799716	1.5344956	1.6346933	1.0688568	1.0681378	1.1027538
Cytochrome P450 1A2	2.3747916	0.6596886	0.85531914	0.8470826	0.80241156	1.0062448	12564754	0.9030931	13113146	0.7581281 0	71033466	1.0458891	1,8842504	4 057040
Phase-1 RCT-297	1,2170267	0.6091305	0.72602993	0.7557872	0.8090505	1.0893176	1.104573	1.1080981	59154063	1.24431/8	1.01/289	1 0131338	0 9021832 0	84812343
Monoamine oxidase B	1.1070244	0.913074	1.0625255	0.9051718	0.76481885	1.025/521	1.0004437	20450109	0.7230507	1.1041.003	1 2523898	1 4701958	10510477	12124381
Phase-1 RCT-264	0.7197098	1.004504	0.86806224	0.76063687	0.8069309	1 0000030	1 0335038	1 1193396	13539121	1,2006408	1.067273 0	.80452555	12332311	1.1127053
Peroxisome proliferator activated receptor garritia	0.009/828/	20077870.0	0.9390213	700021000	0 9768411	1 0718674	1 1293252	1.1825312	0.8763389	12197721	1.2101783	1.1612849	3.82775446	1.0968778
Phase-1 RCT-143	0.704010	0.044200	76546204	4 0482703	0 57414305	4 0341377	1 1068672	0.9653047	0.858404 0	79849464 0	71194834 0	.60743638	1.347749	0.6028841
Phase-1 RCI-231	4 4 257772	1 0085571	1 2140561	1 070303	0.67809104	0.92870075	1.0136365	1.1099832	0.8096578	1,0009813	1.1434653	0.7921449	0.7693084	0.8743376
Chitathione Crandensee Theta-1	1.1633302	1.3658464	0.96531385	0.7641066	0.56688285	0.91602176	0.83659726	0.8496285	9.87919986 0	78071445	185577697	1.3198363	1.0248076	0.9308025
Phaent RCT-91	0.88608587	0.97426176	0.84560156	0.87922674	0.8795656	1.0041573	0.7225231	.95569496 (.98858565	1.1840955	1.1795213	1.0101454	1.015500	1,00001
Phase-1 RCT-148	0.97227067	0.68557215	0.79963756	0.66895695	0.5344971	0.83884454	0.7745895	0.6767407	0.4496538	0.7428242	0.6/305/3	1.04203/9	4 0232365	1 1404557
Phase-1 RCT-142	0.87469673	0.93993974	0.77095085	0.76789695	0.85916173	1.0080521	1.1989971	730607	1,32003010	4 0000014	4 0047945	7438405	07884774	RESERVIZE
Activin receptor type II	1.0725561	0.9416409	1.0532944	1.018709	1.1378089	1.0564209	1.0226249	1.0197.302	1.1/30020	4 0344748	1 1353800	1 84019734	68519413	82870884
Glycine methyltransferase	0.86103755	0.9943331	1.036075	0.8025/335	0.6535/174	0.0000000	0.91100343	100116670	4 2620845	80909748	0.7512876	71227926	1.0827878	82112926
Phase-1 RCT-281	0.70513976	0.7715419	1.0120862	1.0/33403	1,035/350 1,05736	1,0040470	1 2022037 8	1 102411	1 2717174	1.4762187	0.9686017	0,85583735	0.9288905	1.0096856
Ciliary neurotrophic factor	1,5170045	7196/7970	0.95151930	1.1440334	C162/67	1.00+01/0	100000							
Gap junction memorane diamen protein pera 1 (5)01)	0.7621412	0.80091035	0.78234184	0.6807156	0.65045863	0.7201746	0.7745288	1,44982806 0.63	048565	49204105	0.49204105 0.59283876 0.69986874	0.69986874	0.5868632	.45468563
Dhoca-1 DCT-06	1 1253036	1,0277159	0.8689778	0.92018354	0.96620864	1.0130888	0.79042816	3.99638254	1,2922467	1.0682173	1,0175896	0.5873662	0.98154986	0.8463192
Cliest No. 307	0 94372034	0.9742486	0.788684	0.82739246	0.88678286	1.0045755	0.98541033	1.0659937	0.968357	1.0886254	0.98863584	1.0711565	0.9046877	1.046466
Pridse-1 rout-zor	0.6974024	1.024676	0.7819557	0.89131546	0.7783689	0.83845353	1.1050209	1.105175	1.1356612	1,3901563	13214918	1.0235212	0.96291035	1.0121682
Very tono-chain acid.CoA synthetase	0.64244664	0.6623178	0.72403276	0.8054388	0.66986346	0.94461197	1.0731951	0.95204335	0.9095892	3.82177633	0.83731127	1.0002557	1.0616807	1222/40
Syndecan-1	0.9683889	1,0356703	1.1229398	1.10823	1.649141	0.8719067	0.88663894	0.85215086	0.77949816	1.0071636	0.8625182	1,3568875	1.07 71333	0.042432
Statherin	1.2979236	0.9188893	0.8339682	0.81260866	0.8236291	0.9697442	1.0453074	0.9976879	0.91347754	1.0305303	0.9153/9/	1,002208	4 4320774	1 1055718
Phase-1 RCT-145	0.9858264	1.0884815	0.9634272	1,3735278	1.4845352	1,2038981	1,3311577	12533228	2.4345366	2.0/369	13/30031	1.10/4/07	0.0005746	02078305
Axin	0.8480259	0.9998738	0.94774914	0.7988696	0.80823004	0.9795903	0.93442637	1,0228565	0.3027403	7244776	74977336	1 0401553	0.89618236	0.8229238
Phase-1 RCT-89	1.0920335	0.9058714	1.01081	0.62563695	U.54818/1	30/05/50	1 0005003	1 1612445	0.0011131	0 782101	0 61271465	0.86680216	1.1027774	1,0802929
Sarcoplasmic reticulum calcium ATPasa	1.4589427	1 2333715	1.1359/07	1 2044669	1.130322	1.1032320	1.0003033	10701031	2 0648744	19354894	1.6620501	1.1180482	1,0767897	0.9436341
Alpha-2-macroglobulin, sequence 2	0.99647045	1.2038013	1,3822648	1-2004/02	1.4012344	4 0407457	4 4550501	1 183612	0 9978774	13178935	1.4610274	1,0580602	1,0160569	1.0772231
Phase-1 RCT-204	0.8572375	1.02/5985	1.0440515	4 4440959	4 3896593	ACT/7326	0 69875073	42264345	0.9613907	2652531	1,0649011	1.065487	0.9252749	3,91732895
Vascular endothelial growth factor	0.9056/863	1.0450022	01000011	1,4440233	2000000	מימני דטו מביד	20000					-		
NADP-dependent (socitrate dehydrogenase, cytosolic	0 78892183	0.78102225	0.6321428	0.5843269	0.5092659	0.98661834	0.98125565	0.9609651	0.37689868	0.5725113	0,6310725	1.3144648	0.97830284	1.1305422
DNA binding protein inhibitor ID2	0.7978227	0.63222593	0.78801686	0.8218594	0.72507495	0.9233253	0.73504585	0.89789665	0.563705	0.7830512	0.93960935	1.1943055	0.8417332	1.0094662
Gutathione S-transferase Ya	0.6763375	0.4772414	0.5963059	0.48975715	0.48902565	0.6624478	0.5919328	0.37291792	0.3956381	1.1242813	0.7977206	1,2024221	0.000 1404	1 3430924
Epoxide hydrolase	1.1250393	0.8098646	0.90825754	0.6578536	0.70304734	1.121693	1.0516355	1.0508515	62977820	CLOSCSON O	4 0725500	4 4330000	0 0372641	1 0481755
Insulin-like growth factor I	0.89302063	0.8329315	0.8020158	0.9291378	0.8163952	0.362/86	0.7832208	0.7466246	4 2522204	0.305/020	1 1775637	1 0245727	0.9082961	1,8208201
Prostaglandin H synthase	1.4491075	1.4749551	1.3127677	1.3183604	0.868066	1.0349427	4 0500054	0.79431303	4 080282	S. S. S. S. S. S. S. S. S. S. S. S. S. S	0 9703908	1 0867189	1,0760982	0.90765274
Phase-1 RCT-136	0.8787208	0.840318	0.8028931	0.72271094	0.7228508	0.70405040	A 6903927	77064353	0.7409734	Ş	1,0355785	1.2646079	1.0368098	1.1527364
Phase-1 RCT-137	4 0004407	0.9509/02	0.913203	0.8576363	1 0030769	0.8921992	1.0529245	0.99287933	1.0569252	1.0221212	1.0084792	1.1431397	0.97859584	1,0250694
Frase-1 RC 1-138	1 0804584	0.9628195	0.9872326	0.74332935	0.92831737	1,0038943	1,0069607	1.0208118	1.011057	0.86525316	0.77016944	0.84344044	1.0876572	1.270829
Hepauc Ipase	0.73418349	0.9537615	0.8041027	0.80357546	1,0741017	0.9288551	0.6504667	0.8542461	1.0581346	1.0303494	0.97969574	1.1945889	1.0334387	1.08426
And Cot debuterence medium chain	90880960	1.0035591	0.89880705	0.8442567	0.73735845	0.9499108	0.82758796	0.7308378	0.8912576	1.1845243	12059232	1.1467737	1.0035412	1.1212537
Christinone Stransferase YD2 subunit	0.7698092	0.8621273	0.8830419	0.7165104	0.5710593	0.64834386	0.65754837	0.7123942	0.93271184	0.916054	1.0740434	1 2928362	0.8811147	0.66859707
Carbony reductase	1.4050258	0.94714874	0.95880973	1.080645	1.063315	1,0552894	0.99123037	1.057808	1.1773533	0.80850085	0.5000000000000000000000000000000000000	0.56303150	1.1/40001	1 0250872
Phase-1 RCT-166	0.6566229	1.0014386	0.9576854	0.8472287	0.6393359	0.47135976	0.7877609	0.6025338	1 0006734	1.23300	0 777700457	1 0897189	1.134147	10731353
Apolipoprotein E	0.68798774	0.8104478	0.89747447	0.8701529	0.7808045	0.4423987	0.885/2824	0.8500130	D TOACTERA	0.03475044	0.0478754	0.9955891	0 9260507	0.915441
UDP-glucuronosytransferase	0.6649113	0.532559	1.1466808	1.0354674	0.9876601	The Popular	0.35135130	0.45095	1 2248483	0.77577783	0.875055	1.1307288	1,2555703	0.93120974
Glutathlone S-transferase P1	1.1185654	0.902/363/	3346920	1.3311270	1 2777031	0.7581570	0 8370535	0 9051976	0.2583636	0,72115844	0.6961803	1,437935	1.4877299	1.8219937
Disuffide Isomerase related protein (EKp72)	0.6364137	0.003974	0.919073355	0.8327424	0.89910823	0.5216337	0.7831091	0.7892554	0,7532826	0.90196854	1.1103876	1,3023428	0.9400919	1.0781832
Ribosomal protein Lts	1.0257492	1.0487638	1.616663	1.8121434	2.1338408	1,0273498	1.279675	1,2282674	2,3301234	2.98932	2.035327	1,0025058	1.2000355	1,5199785
Inter-alpha-furbitor H4 heavy chain (18h4)	1.1495565	1.2779522	2,2160716	1.8815875	2.6831322	1.1960512	1.9366318	1.6499678	1,8896604	2,5549568	2,50164441	12440804	0.965/4/401	1.03/2120
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Phase-1 RCT-3	0.9249347	1,036051	0.9514012	0.91992086	0.9483882	1.0373192	1.0555747	1.12/8121	1.0392123	1.03/49/2	1.0113302	1 2514485	1.0377686	1,7894828
Fetuin beta (Fetub)	0.5530327	0.81741166	0.9333621	0.75045.88	0.02523186	4 0470007	0.9/3/3/30	0.9031330	0.0563105	1674R0734	0 9455883	1,0285349	0.8217411	0.883624
3-hydroxyisobutyrate dehydrogenase	0.6198423	0.93343145	1.1/6/60	0.6347917	0.3203020	2000000	1000000	08177767	0 7767383	1 5436585	1.2497478	0.9380374	0.9040481	1,5433855
Carbonic anhydrase III, sequence 2	0.4570282	0.59746313	0.75339115	0.4816/214	0.502391/6	0.639.3000	1.020009	03000000	0 8401061	D EAGORA1	0.8798434	12554569	0.9722441	0.939405
Phase-1 RCT-10	0.8080866	0.95553493	1.0135771	0.7530793	0.73/0304	1.01010.1	927/0204	6927700	4 0042400	4 7203630	1 5089017	1 2885288	0.5547426	0.5069272
Alpha-2-microglobulin	1,2183186	1.8916727	13037729	3	0./905545	0.7337000	10100101	1005790	200	20 0 88724705	1897777564	1 00552	0.8224976	0.8594008
Dynamin-1 (D100)	0.8870896	1.1909909	1.095952	0.7834331	0.04300023	1,0017142	0000000	0.0001442	0.0352188	0.0000000	0 7886818	0.85826343	0.9059858	78438294
Lysy oxidase	1.0913305	1.0428218	1.10398/2	1.333396	1,041523	0.0017947	70002	0 04741	1 2301222	22 0 78267964	1.1625152	1,5689083 (5,86033773	0.8054103
Phase-1 RCT-252	0.8562387	1,3124163	1.482083	1,0013/38	4 4205815	1 0718393	1 3415221	13664982	3.86441827	1,760463	1.680501	1.0170673	0.9984197	1.0605543
Phase-1 RCT-29	6/946/21	1.2410007	4 3783004	1 2414RAR	1 2104798	1 5762867	1.8208091	1.9142299	0.898051	2,415765	1.9883415	1.1929089	0.9285213	1.2901675
Phase-1 RCT-278	1.1561931	0 0707118	1 0816513	1 0384283	1 0106577	1.0167375	1,0874307	95141274	1.1271845	1.0525367	1.0549589	1.0208912	1,0468534	1.0756714
Phase-1 KCI-42	1 075348	1 1908122	1 1860373	0.9077231	1.1410824	1.0623221	1.1265199	1.1426889	1.0640923	0.9665391	1,0453544	0.93109584	1,0212674	0.9698942
Prase-1 RCI-25	1.070340	1 2458775	1 2077006	1 204719	1 6699837	1 2288054	1.3469373	1.7068814	0.671133	2.3866055	1.6461371	0.93302596	0,6169055	0.8773502
Cytochrome P450 2C11	1.871347	2430773	00000000	0.0170385	0.855657	1 64225245	83380165	0.8345684	0.9442429	1.1151834	1.1163472	1.1980352	1,0448624	1.0792296
Phase-1 RCT-202	0.8385338	0.92687033	4.4606677	0 0770175	1 2522231	1 0434054	1 2344663	1.0096666	1,2314901	1.6117743	12377627	1.3255404	0.89115694	1,3178564
Complement factor I (CFI)	1,0654101	1.0000445	1.1033077	4 4 7 5 7 4 50	4 4320344	4 0434037	1 0735391	1 1459014	1 4021624	1.427327	1,4506018	1.0867715	1.0703213	1.0665827
Proliferating cell nuclear antigen gene	1.9752723	1.0397011	4 4534026	00000	1 0283355	1 0802057	0.84024376	0.7914349	2.0199034	0.86469924	0,96523803	1.0987115	1,0375614	0.96843946
Activating transcription factor 3	12708017	1.3001010	4 2000240	44240084	4 5430435	1 0872472	1 1564238	1.0712708	12893726	1,3287659	1.1674271	1.0731168	1.142466	12192831
Focal adhesion kinase (pp125FAK)	0.9100221	0.001/4000	1,000000	2550075	0.755555	F0F30F49.	0.813585	0.8244113	0.8772255	0.83290756	0.8979993	1.068664	1.1137966	1.0042347
Phase-1 RCT-289	0.7975212	0.96543344	0.01007947	0.00000	0.07876346	1 23419	1 1820986	1.1967771	0.86546165	1.0435503	1.0548677	1.1523608	1,0334194	1.0290272
Phase-1 RCT-259	0.88557935	0.895/2924	0.8491781	71000000	0.93023340	O Bantock	0 807871	0.75E21R5	0 7433924	0.69607514	0.76899344	1,1788161	1 2229723	1,2326317
Iron-responsive element-binding protein	1.0185213	0.8791832	0.80490303	4,000,000	4 0047667	0.0001300 0.4644EEE	0.00730	35500632	0.61856437	0.9295398	1,2161596	1,1808603	0,9119438	1.1856972
MHC class I antigen RT1.A1(f) atpha-chain	1,0610402	0.9529462	0.96446/5	1.0663027	1.001/002	0.40114333	0 053777366	0.0437062	1 178748	1 284 1989	1.3753389	0.8981279	1,1756059	0.80137557
Any suffdransferase	1.2398238	0.9370335	1.0018082	0.8934835	0.7450004	0.337 02233	4 0000004	4 00304	0 0747756	0.9528496	0.87977904	0.9355029	1,000998	0.9053388
Phase-1 RCT-171	1.1681032	0.9642607	0.75684777	0.83308136	0./5641364	0.39142313	1.0020201	1.02201	3 8	A BOOK 1848	0 80724037	0 96891008	0 7369924	0.7605316
Phase-1 RCT-83	1.0835932	0.84256864	1.0196177	0.88166034	0.78812546	0.9151854	0.802389	0.0782002	0.001/300	010107070	0.4400370	4 24604	0.72R2407	0.7656892
Phase-1 RCT-270	0.9581122	0.9479787	0.8651555	0.6902643	0.49297133	0.9226681	0.6227616	0.6781825	0.33126304	0.45100434	4 4 7 500 76	1 007540	1 0721810	1 103592
Colonestimulation factor-1	0.8466254	1,0393806	1.0594105	0.9680305	1.144105	1.0258973	1.0429502	1,0323715	1.0450373	1.191/004	0.0000	4 200000	4 002/583	O ROZEZOS
N. Codbode	1.2768848	0.8651586	0.9444149	9 0.92362815	0.6716543	0.81968564	0.60062754	0.7812349	1.0554764	199/6050	0.9149538	202020	3000	1000000
M-Zaurenii	1 074153	0.978332	0.81126374	0.8318122	0.6972225	1,029541	1.0185287	1,0013835	0.84212846	0.7095714	0.8033163	1.043616/	1.13130	1001430234
ridse-i Rol oz	0 0067092	0.9137417	0.86411875	0.93421096	0.9720215	1.036093	0.98426044	1.0466439	1.0405418	0.88562244	0.98741376	1.1236544	1.07.130/9	1.020/424
Fnaso-1 ro.1-22	0 9608445	0.9758984	0.90743405	0.99119425	0.8142279	1.0929141	1.0036389	1.0939/16	1.1195611	1.174079	1.1561028	0.8158385	0.9182/83	0.8884/23
Ohered Det 48	0.8855822	0.99715626	0.9556968	1.004604	0.9604754	0.99142313	1.0088214	1.0912548	0.7485744	0.8830207	0.82156986	0.85627406	1000010	4 4400483
Dhace 1 PCT-423	0.8667439	1.0511878	0.93086493	0.94055164	0.934152	1.0232632	1.0069107	1.099863	1.0566283	1,0515054	0.5971.	4.0000014	1 0427434	4 0323367
Disco. 1 DCT-66	1.029468	0.96449053	0.95931435	0.8946074	0.719292	1.0097575	1.1165049	1.0141394	0.38900307	1,313/323	1.0/8433	1.17/0/24	1.0421	10000001
Certification of the control of the											002000	0000000	30022002	0.55457304
Englishment in the Control of the Co	0.9912697	0.80688757	0.87213606	0.82790935	0.546923	0.9514062	0.9514062 0.94920176 0.92310554	0.92310554	0.6739995	0.8173805	0.6/128503	0.9638138	4 224420	ATRANSPA
Chases improved 2	1 6352005	1.0636244	0.939674	1.146448	0.9399176 0.95834844		0.91169274	0.92805856	0.9987147	0.73914886	0.8/043333	0.0001000	0700430	0.01 342014
Middle necitary motels.2	2.0763328	0.7179652	0.7861613	0.769724	0.90076774	Ŧ	1,3352545	0.8973269	0.5802147	0.91196966	0.8525631	0.55540554	0.3700430	0.0577067
L'oldert declares ou abit de	13268613	0.96435547	0.9234137	0.9537229	0.9532068	1.0056493	1.2900062	0.89555675	0.6606436	1.1829144	CR/BRCO'L	1,00000	C. 0.00 100 0	4 0000194
Chembelledethandemio-binding protein	0.9594088	1,0161313	1.052115	0.9357837	0.9890877	0.46145636	0.55985875	0.45664486	0.68762255	1.0509773	1,0285/18	1.2/00030	4 253444	4 3090837
Process RCT-180	0.8427234	0.87552273	0.9859741	0.9718587	1.0883118	1,0780113	12495015	1.0538126	1.434312	1.1512388	1,33681/5	1,33681/5 1,503/081	0 07630006	0.7578423
Leterin hate	1,2095273	1,0830444	1.0991601	1.1294398	1.1155555	1.1128097	1.069401	1.1193123	1.2305082	1.1000603	1.004/000	0.0020224	4 0000405	0 0340804
NADPH cynchrome P450 cycloreductase	1,2797599	1,5128869	1.2491773	1.385452	1.1707333	0.8557883	0.57431984	0.29692343	0.62770605	1.0501842	1.1/51/50	0,0340/400	1.000£120	D R931297
Wafi	0.84548694	0.94547	1,0195857	1.1094478	1.1113455	1.0550512	0.83156174	1.0194924	1,532,1187	1.0836/03	440 A 84247575	85009	1 1414142	0.9837014
Endogenous retroviral sequence, 5' and 3' LTR	1.0707853	1.3162262	1.846026	1.0453918	0.96119255	0.9916824	0.9349087	0.8454708	4 3803063	0 9236084	0 86156696	302026	0.92431897	0.9591799
Phase-1 RCT-53	0.99527264	1.0502623	1.1260972	1.2299659	1.0743301	4 0424027	4 4444794	4 0444051	1 570478	1 055/725	0.8896845	0.6719491	1.0960718	0.99585515
Phase-1 RCT-54	0.9357059	1,072631	0.9364405	0.9630543	1.1036488	1,0434937	0 7954540	0 8042284	1 3830731	0 6441846	0.74299884	0.6188745	0.983936	0.8432844
Phase-1 RCT-240	0.99/1/02	0.9029466	1 105/100	4 2471984	1 2415813	0.9642846	1.0058416	0,98721576	1.3806041	1,6071543	1.0900782	1.1077042	1.0106064	1.1471614
Osleoponlin	1.1809333	1.0315027	4 4062438	2092585	0 74368453	1 1091138	0.9446178	0.9850354	0.7242352	0.59993505	0.64277697	0.8852335	0.919566	0.80177116
Organic anion transporting polypeptide 1	1.1335462	0.927.5077	4 2264136	4 4305050	4 8255678	4 0454589	0 9269365	0.9837424	5.654212	1,9898809	1.749256	0.81249326	1.1304406	1.180591
Phase-1 RCT-241	1.1926/4	1.3314007	1 5387786	4 6351250	1,674982	1 1112761	1 2109942	1.1991698	1,3383915	2.529353	1,9000511	0.9431067	0.9577478	12131124
Tissue factor pathway inhibitor	1.2040324	1040047	2007	-										
Cyclindependent tanase 4 amonta 127 Mp. (auctional	1.1720524	1.1643597	1.5471147	1.9315782	1,5103109	1.000369	1.0501326	1.0153424	12784342	1.0233909	1,0418809 0.971541	0.97154117	0.922037	0.8/5877
Phospholipasa D	1.8377897	0.7786109	0.9791882	0.8930983	0.8957043	1.0802359	1.063962	1.0115839	0.6974841	0.69966847	4 27 62 4 8 6	0.044033	4 004 5005	0.80267346
Phase-1 RCT-39	1.3224815	0.8641398	1.1343693	1.2425271	1.5055528	0.9175289	1.1223683	0.9945773	2,5/14262	1,3250187	1,3/03/03	4 44 77256	1 114878	0.9935067
Phase-1 RCT-258	0.95599234	0.89933264	0.9772442	1.1169062	1.0341872	1.0310075	1.2800347	1.1315241	1.636426	4 975880A	1 4352046	0.9271843		1.134478
Phase-1 RCT-113	1.012719	1.1923268	1.4439217	1.4767612	1.6192052	1.0539241	1.284204	1.0023422	13046443	0.7265223	1.0395427	0.6695866	1.1824812	0.81102437
Adenine nucleotide translocator f	0.9350796	1.085226	0.9246067	8.459.67	11 920741	3.6889749	3 2371979	4.8829136	11.975672	25.622055	17.93165	1.3237946	0.67857313	1.7090485
Alpha-1 acid glycoprotein	4 36300	704660	4 4650114	1 0912721	0.6828447	0 9931919	0.92959696	0.87789917	1.6596336	0.7655388	0.9273519	0.5253408	0.9095501	0.9558851
MHC dass Il antigen RT1.B-1 beta-cham	1.302030	U.roman	1,10001,17	1400141										

Ormale antico transcolor 3	0 033166	0.033456 3.0624084	1 1221461	1 1271461 1 13211032 1 5328422	1 5328422	1 1827633	13144175 13974421		18198028	1.7209445	15093229	1.04609191	1,296393	1 2236713
Manage between the factor 1 of the	1 5540093	1 0225453	1 147573	1.0095788	1.147573 1.0095788 1.1074995 1.0766586 0.98088783	1.0766586	0.98088783			0.6908268	0.7199276	0.69835913	0.7199276 0.69835913 0.9408387 0.85875654	35875654
Phase-1 RCT-43	0.8891084	0.9924736	0.8891084 0.9924736 1.0589907 1.1113504 0.9916421 0.9843811 0.8003959	1,1113504	0.9916421	0.9843811	0.8003959	0.862396	0.862396 1.3839713 0.92381775	0.92381775		0.6594529	0.8802217 0.6594529 0.99945027 0.83896613	0,83896613
Phase-1 RCT-45	0.91700786	1,0206978	0,9219173	1.0585451	1.2605636	1.0278314	0.7681511	0.9173204	0,9219173 1,0585451 1,2605636 1,0278314 0,7681511 0,9173204 1,3284978 0,7888039 0,7790984	0.7888039	0.7790984	0.5948366	0.5948366 1.0098038 0.81193614	381193614
Malate detudmonase extocelle	0.939825	1.181727		0.81307155	12336583	1.0553595	1,1708597	1,107557	1,3058571 0,81307155 1,2336583 1,0563585 1,1708597 1,107557 0,8362919 1,0493532	1.0493532	1.3237928	1.3057724 1.1475165	1.1475165	1.2614138
V 30 element	12242793	1.2147409		1.3275586	1.4606167	0.6315161	0.44247112	0.2893984	2.2318375 1.3275586 1.4606167 0.6316161 0.44247112 0.285384 0.84619063 0.5851381 0.8322301 0.8816562 1.4104764	0,5851381	0.8322301	0.8816562	1.4104764	1,3384132
Phase-1 RCT-189	0,7896562	1.092446	0.9712821	0.81622744	0.88680434	0.40609485	0.693716	0.67521447	0.9712821 0.81622744 0.88680434 0.40609485 0.693716 0.67521447 0.7303901 0.744065 0.94896534 1.3565552 0.32549455	0.7444065	0.94898534	1,3565552	0.92549455	1,05254
Alpha-fetoprotein	1.0644842	0.9523705	0.968397	1.0682236	1,0904053	1.0238725	0.0942022	0.9563019	0.868397 1.0682236 1.0904053 1.0238725 0.8942022 0.9563019 1.0366917 1.0744078 0.9560884 1.0786543	1.0744078	0.9550884	1.0796543	0.962091	0.9387491
Calmanulin B	0.6729218	1,0284517	1.0000776	1.0000776 0.84241056 0.7821339		0.4479208	0.9268713	0.8933473	0.4479208 0.9268713 0.8933473 0.9777202 1.1892201 1.0666932 1.2334346 1.1207012	1.1892201	1.0666932	1,2334346	1.1207012	1.1579784
Tissue plasminoden activator	0.7198602	0.7198602 0.85243833	0.8027717	0.8027717 1.0023751 0.96428484		0.9739275	0.9208233	1,0168769	0.9739275 0.8208233 1.0169768 0.59531885 0.8091388 0.87084377 1.0144486 1.0354848	0.8091388	0.87084377	1,0144486	1.0354848	0.9918622
Phase-1 RCT-195	1.1075903	1.1075903 0.96440434	1.0124573 0.9445821	1.0124573 0.9445821 1.0507843	1,0507843	0.9418199	0.9418199 1.1915747 1.1852629	1,1852629			1.038801 0.7901492 0.97435236 1.0929234 0.96165997	1.0929234	0.96165997	0.961606
Liver fatty acid binding protein	0.51160777 0.77178615	0.77178615	0.626709	0.79400283	0.6426017	0.660324	0.66817936	0.5845874	0.660324 0.66817936 0.5845874 0.6450135		1.1351274 1.5916806 0.97273314 1.1238414	0.97273314	1.1238414	1.4454544
Alpha-1 microdobulin/bitumin precursor (Ambb)	0.8189741	1,0868597	1.1219451	0.8830591	1.1129632	0.8166157	1.183579	1.0573477	1.1516517		1,0052085	1,3381959	1.1287377 1.0052085 1.3381959 1.1201247	1,3000176
Phase-1 RCT-294	1.1759814	12549381	0.9269469	1,004305	1,004305 0,96595124	1.0451453	1.0067306	1.1303754	0.946296	0.767627	0.767827 0.65625995 0.75853586 0.9638331	0.75853586	0.9638331	1.128869
Phase-1 RCT-151	0.9466732	0.9466732 0.79892266	Į	1.1318914 1.0592104 1.1149024	1.1149024	1.0134294	1.3529938	1,2305436	1.7290697	1.8533093		1,2314713 1,0900884	1.0900884	1.105243
Phase-1 RCT-158	1.0291665	1,0291665 1,0901399	ı	0.86114246	0.9626014 0.86114246 1.0317845 1.0179965 1.002978 0.9917209 1.2447114	1.0179965	1,002978	0.3917209	1.2447114	1.2073209		1,0916915 0.7105289 1,0038648	1,0038648	0.8867755
Phase-1 RCT-221	0,8851076	0,8851076 0,85913565	1	1.2028964	1,0389504	0.8833555	1.1491623	0.9876384	1.0962033 1.2028964 1.0389504 0.8833555 1.1491623 0.8876384 1.3006711 0.80617875	0.80617875		0.8524496 0.93935126 0.9652193	0.9652193	1.0064441
Phase-1 RCT-235	1.1892351	1.1344316	1,201602	1.3227752	1,2214118	0.9577521	0.95800143	0.97749907	0.9577521 0.95800143 0.97749907 1.2597756 0.89021665	0.89021685	0.9492635	0.9492635 0.86971253	1,001497	0.975085
Organic anion transporter 3	1,7519599	1,7519599 0,93863566	۲	0.9235021 0.84227574	0.84227574	1.2088959		1.1683466	1.1004033 1.1683466 0.71216106 0.69156307	0.69156307		0.651485	0.551485 0.95584077	0.6303137
Matrix metalloproteinase-1	0,7619056	0,7619056 0.90451527		0.9295906 0.8784577	0.982512	1.0788953	1.089761	1.1871523	1.1871523 0.79247904		1,3103944	1.0567423	1,0567423 0.94598345	1.1383064
I bring v profesio 2 preduzor	0.753904	0.753904 1.0566113		1.0035633	0.9267347 1.0035633 0.7409178 0.81143326 0.71562207	0.81143326		0.7666173	0.7668173 0.7725698		1.3224704	0.9773969 0.9788357	0.9788357	1.0485431
Phase-1 RCT-212	1.1934193	1.1834183 0.78392786		0.96762645	0.9503546 0.96762645 0.9860859 1.0212438 1.0061414	1.0212438	1.0061414	1.1609261	0.8633462		0.9230196 0.76086736	1.0761214	1.1818571	0.8673836
						T.								
(1) Gene expression data for 6 hour timepoint are														
presented as mean ratio of treatment/control for all 6														
hour predictive genes (Table 18).														T
(2) Compound and dose abbreviations as in Table 1.														
(3) Individual animal number														
(4) Liver inflammation classification for compound-														
dose group at 72 h: yes-necr, necrosis observed; yes-												_		
both, necrosis with inflammation observed; no, no histonathdoov observed														
(5) Predictive gene (as in Table 18 and as Included in Table 26)						•								

Table 30 Commerces Dets for E Unite Tengended (1)														
due zo. Expressor con la crisco de con la constanta de co	11	ļĮ	_		П	П		1	T	000 000	000 000	000 808	RRR 800	RRB 800
Compound-Dose (2)	-	THEO 100 1	THEO 100 /	ANIT 60	ANIT 60 A	ANIT 60 A	AFLB 1	152	153	33	B	ន្ត	ğ	2332
Animal Number (3)	2531	2532	ॹऻ	_				-	-	ves-both	es-both	/es-both y	ves-both y	/es-both
Liver Toxicity Inflammation Classification (4)	2			Τ	T	Ī	Г							0.000000
Joseph Joseph Parker binding protein 1	11,388036	1,8577055	1.0195587	0.81052405	0.9387315	0.78610766	12302867	1.1150937	1.2667177	10.201994	1.949942	1.915/24	1.3218083	4 0073648
Gadd153	0.95312494	1.2840645	0.8543842	0.88276047	0.7812951	0.92943305	3.8833592	1.18591.Z	5057777	1,03,00,0	4 90004440	4 5257005	00044601	4 56443R
c-myc	3.7597053	2.3545673	1.0720751	1,331713	1.2711399	1.1695328	1.0013629	1,0954643	1.1/01040	2 2 2 2 4 2 3	1.0001	2 8327847	4 1164727	1 709 1045
NIPK	1.2178138	1.0404977	1.0693463	1.1544943	1,2684,283	0.3013833	1,4134004	1.140120!	0.090067	2 3871 132	1 9204304	1 8287247	1.7944392	1,7731409
Cathepsin L, sequence 2	1.6367413	1.6378412	1.9477276	0.7312/34	0.88034075	0.727.1007	1.1740044	0.978367	1 1048781	2 41 105 18	11,530977	10,655806	2,40087	2,5309384
Heme oxygenase	3.2060776	5.71/468	2.1465641	1 0026776	300 74R	0.003600	1 2342706	1 167453	1 2091409	1,5408211	12541593	1275519	1.469945	1.3869876
Phase-1 RCT-109	1.1545151	1.19/2/44		0.0001000	A GORRODA	0 82058704	1 0999347	0 9397775	1.0124218	1.602952	1.2665044	1.1079321	1,3821177	12617204
Phase-1 RCT-111	1,0195103	1.0301375	0.61465045	4 4220002	4 6074507	1 6668107	0.0160447	1 22490R4	0.9155895	4.6747584	2257461	2,1613784	2,7580504	3,6661165
Argininosuccinale lyase	1.9938915	7.7210838	2,0026123	4333002	3004-3001	303020	1 0530833	1 0640851	1,0091399	1,4777658	1.1284443	1.1373053	1.2110134	1.0601603
DNA polymerase beta	1.413663	1.393271	1.19/3	0.320/2223	0.515050	0 82470405	1 0640965	0 9350764	0.9930645	1.7624146	1,3572996	1,2384428	1,4785945	1.2765328
Phase-1 RCT-103	1.003415	1,0565971		0.03433123		0.0241040	4 4 5 2 7 3 0	4 00089RS	1 027664	1 9821272	1.0320989	1.4300666	1 2384335	1,0694016
Ribosomal protein S9	1.4162142	1.8436/73	1.5/302347	4 0770494	4 07773087	4 0008145	0 82720185	1979791	0.9130313	0.98276603	1.1776311	1.194687	0.95919526	0.9444385
Phase-1 RCT-114	1.3025/68	1.16233	0.90192217	10/28134	0 000000	1 1750071	1 1487751	1 2068318	1 2805529	3,1092436	1.6220695	1,5565863	1.415154	1.8251929
Phase-1 RCT-15	2.2042453	1,7152024	1.0293211	1 1097609	00837	0.96615803	1,5103047	1,1140451	1.6523249	2.151789	0.88087505	0.92157006	1.1774691	1.1530933
Macrophage inflammatory protein-2 alpha	21001050	1.00200.1	0.332401	1.102120										
NGF-inducible anti-protiterative putative secreted	4 0344834	1 1705621	0.8526028	0.93514025	0.9743493	0.885854	2,5086343	1.6741941	2.6233454	1.7038462	1.0966772	0.9887268	1.1338862	12199774
protein (PC3)	4 0000257	0.86022013	0 7840951	1 5742143	17491634	13382784	1.0467099	1.2033802	1.1286451	1.1025712	1.7655634	1.6239872	1,3881205	1.7765617
Phase-1 KCI-191	4 5347005	4 5482450	1 491526F	0 90630245	0.9408319	0.8835248	1.0356357	1,0341281	1.0489249	0.74006295	0.76716083	0.75259256	0.722914	0.8286948
Phase-1 RCI-63	4 4246064	4 2506060	1 5300031	0 9288254	0.88704653	0.8483955	0.982979	1,0074925	1.0550458	1.2984666	0.92324317	0.90049875	0.91254264	0.9277401
Cyclin D3	4 07/024	4 0007330	0.8557837	0.85402596	4-	0.89457124	1.0181667	0.94672817	0.9727332	1.3804485	1.1488144	1.1592492	1,3116787	1.0735261
Phase-1 RCI-108	4 5000244	1307767	A 00400 A	0.8222793	1 0398464	0.8231025	12598821	1,0395311	1.7690021	1.0001321	0.9869833	1,0018475	1.1090819	0.8441923
Phase-1 RCT-56	1,03000514	4 4 5 8 B D C	4 2063989	1 1351922	0 9157337	1.0267438	1,0327661	1,0085895	0.96996886	1,2891799	1.0259569	1.1030385	12072722	12071022
Phase-1 RCI-192	4 2522054	4 2205074	1 4222938	1 5139696	1.3571436	1.1690391	1.0655175	1.1846697	0.97626257	1.9877325	1.1161382	1,232,7073	1.2577907	12701322
Phase-1 RCT-75	1.2022021	4 5150000	2 024778	1 0629063	0 96888095	0 99347395	0.57192737	0.86923885	0.61639297	1.1107398	0.8904163	0.82446915	0.8188807	1.0256019
Acety-CoA carboxy/ase	1.200023	20205450	2.034770	4 0562446	0.08517815	l c	1 07 16987	0.95789504	1,0155389	1.3486812	1.1155769	1.0488654	1.2089784	1.1890023
Phase-1 RCT-95	0.993356046	0.87.834834	4 6400405	4 2007476	212	0 856539	1 0785185	0.9170261	1 0299388	1.5821314	1,435276	1.7481698	1,3743266	1.1718868
Cystatin C	1.1651323	1.3014336	1,3439103	4 440455	1 00307	1 0143225	1 6574907	1.2052785	1,6079613	1,3364066	0.9298994	0.9409059	0.91597784	1.0552372
Phase-1 RCT-49	2.1/03517	0.000000	0.0000	4 3044343	1 127832	0.8672546	0.9004484	1.0782363	0.9319375	1.6145341	1.0510784	0.9545476	0.9198136	1.1702697
Phase-1 RCT-9	2 5457347	2 2720706	1 2685205	0.82633674	0.8540667	0.5859734	20279684	1.2584152	1.7730714	1,966831	1.8286704	1.9349273	1.1067592	2.098856
Gadd45	0 8014/085	0 R748574	0.6817462	0 99704826	0.94696355	0,89962465	1.0177773	0.9505418	0.98987556	1.3265849	1.1473335	1.0425812	1.1786534	1.1906984
Fh886-1 KC 1-130	4 3378054	1 3700176	1 1968418	0.9968368	0.9875792	0.9787256	1.1073003	1.0736727	1.1149459	1,698854	12790424	1.5952674	1.4380305	1252/63/
Continu	20728037	2 387AE43	1 8279389	1 0834774	1.1456012	1.0976746	1.5074401	1.154673	1,5562277	1.4608772	0.9363015	0.9695395	0.7510293	0.8722803
Phase-1 KC1-12/	4 5353768	1 1271933	1 0955105	1,4384342	1.2878778	1,2832083	1.2612367	1.0736232	1.4281094	0.78065294	0.83627045	0.86237624	0.9778156	1.0300423
Madophage Internitatory protestral apara	2 7797558	2 394884	13506024	1.3638867	0.99893516	1,0269728	1.7115605	1.1299456	2.0643866	1,8229138	1.0273241	0.97853314	0.E9915Z1	0.85605567
Zinc Inger port 72	0.581481	0.7147318	0.8293513	0.80072914	0.9510467	0.85911465	0.89744717	0.97134256	0.8946707	0.92532873	0.9835848	-	1.0010222	1.0421593
Cutonino mathologo	0.6917988	0.7057206	1,2005938	0.83846486	0.8188794	1.0502946	0.9870188	0.8643474	0.9600273	1.0386727	0.870734	0.9528385	1.114/155	0.9374233
Odb binding godelin	0.82856464	1.2686068	1.0474222	0.5506674	0.61510855	0.6679841	0.8031535	0.90766556	1.0161415	1.7470182	0.72093594	0.869/1813	0.9405187	0.007000
Dhoo 1 DCT 242	9.1628475	2.615471	1,2044868	1.2816093	1.0942544	1.1550943	2.9460118	1.8133638	3.0279515	0.985811	0.791901	0.728/505	0.7526/17	CCCC0160
Dhara-1 DCT-50	3.4928575	1.7231	0.9665522	1.2598153	1.1561269	1.1628666	2.374917	1.2867305	2.4035218	0.99652636	0,7723147	0.83/535	0.78313230	0.007.00003
Constitution factor 1 slots	0.8964942	1.1922263	0.93923473	0.8343079	0.8516285	0.8428534	0.8776314	0.876751	0.8144835	1.8239547	1,4228185	1.4122007	1.69/392B	1,000001
Intends heles	7.585118	1.7902143	1,2068578	0.9906036	0.98908454	0.8913259	1.4203438	1.1860901	1,4045798	1.3656108	1.033444	2616585.0	0.3321230	1.330303
feering like growth factor binding existin 5	1.3869332	1.4184054	1.3682599	1,2667899	1.10721	1.0855429	1.2901478	1.1320866	1.392083	1.4250476	784/8091	1.4001013	4 207220	1.0001 131
Phase-1 RCT-59	2.2288082	2,3831477	2.4686112	1.0277864	1.1726079	1.0952358	3,4990766	2,2734041	3.0521646	1.8374493	1.0248809	1.0004307	1 2042220	1 1034485
Phase-1 RCT-76	0.9225986	0.8838699	0.84818417	1.1227506	1.0176704	0.8919398	1.050791	0.9049745	0.9996599	1.361/9/9	1.1945389	1,030434	1,2201334	4 080117
Femilio H-chain	0.70442873	0.7879279	0,6523632	0.670822	0.7071592	0.6641248	1,0360752	0.9749754	0.9652173	1.3253969	1,6/5352	1.3334630	1.2/0/413	1,003
Selenorotein P	0.34970835	0.5078264	0.6795181	0.57565886	0.5602339	0.640919	0.949013	0.8/53/0/	0.92426/2	1.465062	1,000,000	5953570	1 M 12635	0 97138774
PTENMMAC1	0.9414647	1,0581648	1,1909256	0.9427833	0.88558835	0.88437104	0.7480864	4 2045789	0.000112	0.3271002	O RZENGREZ	0.86477107	0.7188382	0.7223442
Phase-1 RCT-214	0.3424636	0.42876858	0.48252755	0.953472	1.0031888	0.9004/03	4 4450505	1 0404545	1 2489763	0.57196915	0.65437794	0.6191267	0.620996	0.9946391
Phase-1 RCT-112	1.0097594	1.0409875	1,1912842	1.1063/20	0.808000	0.0757006	0.061453	V 00888664	APR-000	0 9302471	0.86690944	0.78927416	0.6761102	0.8378952
Thymidylale synthase	1.0648315	1.011496	1.0960153	1.0404687	0.903401	0.9762030	0.501433	13198371	0.9651977	0.54120636	0.48835108	0.58147365	0.4568616	0,3824665
Phase-1 RCT-13	0.9278798	0.4244282	0.49410606	0.3221614	0.7303363	0.8971077	1.0073657	0.90015686	1.0688637	0.68070674	0.8218312	0.8054949	0.7931277	0.6928482
Nucleosome assembly protein	1 100305	0.33390130	0 042833	0.8818946	0.6116998	1 2272166	1.1266701	-	0.92551064	0.6171367	0.6466103	0.63293487	0.60963637	0.8315015
Cholesterol 7-alpha-hydroxylase (P450 VII)	1 6078198	14573365	1.4944392	1.0801294	0,9683988	0.9364712	0.9980787	0.9927154	1.0199537	0.61033297	0.64390707	0.60705435	0.61712325	0,6997713
Vestodad monoamme daispones (vincia)	0.7554411	0 87872934	0.9564352	1.0959499	1.0046878	0.95505667	0.76102376	0,8850026	0.85774946	0.59377116	0.74726835	0.6852415	0.6986651	0.74581635
Phase-1 RCI-Zov										ł				

								107,000,000	0 0000000	Work Aceded	0 020684010	0117659310	BRZSA566	91648394
Phase-1 RCT-32	1.2863635	1.0439066	1.3560437	1.151589 0	4 0000700	1 00075747	7.9170167 7.7743864	1,07,30742	0.830697	90307015	0.8245078	0.7929984 0	73774487	0.9447839
Peroxisome assembly factor 1	1.7359122	1.275/048	1.2350501	1.0022.300	1 1149639	10340207	9379517 0	96185327	1.0034939	0.6756716	0.7544018	0.6896413 0	63575935 0	83413905
8-exeguanine DNA glycosytase	1,001 10.1	1,00000	0 8465080	1 0159973	1 0188105	1.0378032	1,0706055	1.0376211	1.1337601	.59305936	0.7070903	0.6693354	0.6598871 0	78698266
Phase-1 RCI-82	0.96542504	027296227	0.387614	94351315	0.970559	0.7855884 0	89875394	0,9894617	0.7756704	1,62329124	1.0376884	0.8445428	0.8628418 0	85827833
Maun Fro	0.96277547	1,0673833	0.8500134	1.033364 0	97401863	1.0297971	1.1024449	1.043017	1.1035422	75642836 0	96439254 0	36222306	0.8401442	75494876
Phase 1 RCT-168	0.47577423	0.4110178	0.46834728	1,0638678	1.0535724	0.9803076	0.5115341	1.0012994	0.8087013	0.6199149	0.8662243 0	0.001/10430	4 0774713	9988282
Phase 1 RCT-119	1.1050906	1,2604584	1.7668016	0.9939791	0.7619197	1.2791598 0	80648935	0.8496223	0.8126093	1,516/423	0.9030211	O EAGES	ENTERNISE O	61835074
Carbonic anhydrase II	1,0279509	1.0823847	1,2081765	1,0964843	0.9674523	0.9282881 0	0.75565535	0.8063845 0.62	04400446	1 0000001	90647286	0 8556363	0 9505585 0	92057456
Tryptophan hydroxylase	0.59797704	0.695626	0.87887585	0.9363961	4 0622404	4 1825/17	0.3033/01	0.0922937	0.8672417	2.187869	1,2599368	1.2598258	1,3694009	1.6476622
Phase-1 RCT-71	1,6052722	1.339217	1.6004644 1 BROK285	0.9614799	1 0280399 0	80144954	1.0242791	1.1490386	0.9811522	2.6465857	1,4135592	1.8323255	1,7396343	1.4186548
Phase-I RCT-178	1 0039079	0 94053884	0.9734567	1.0530261	1.0164492	1,015252	0.7440358 0	75273174	0.6286552	0.49221197	0.5182843	0.590184	0.6719332	63131416
Phase-1 KCI-161	2 0221515	2 125055B	2 0207424	12380215	1.2850202	1,2628368	2.1066828	1.8182721	2,1182115	1.8526723	1.177977	1.2360649	1.2242393	1.4681867
Phase-1 KCI - CU/	2.119773	2,3132506	1,723946	1.083639	1.2561976	0.9939714	1,5495565	1.254896	1.3619442	1.9757348	1.1850276 0	1,88535744	1.1040978	3057885
Price No. 1 144	2.0354884	1,5642136	0.78742784	1.3692746	1.1744996	0.7431118	1.2959278	0.9439515	1.0442888	0.60122295	1,9104548	1.4202039	0 0720703	87779115
Cytochimae D450 251	0.6134111	0.7337926	0.79526573	1.1653274	1.0093058	1.704629	0.58353937	1.0121319	3.85427824	0.73905507	1.1130149	100011001	0.072070	0 9700647
17.1	1.662615	1.5134492	1.0961545	1.464322	1.2952479	_	1345004	13496997	13/41//8	0.9045/24	1933/1034	4 4747840	1 1787622	1 0091839
Thioredoxin-1 (Tox1)	1.0434809	1,2330936	1.046098	0.8640825	0.8413442	0.80071276	0.99341667	1.0377915	1.1050559	1.2101334	12300200	35040103	0 588479	22938786
Carbonic anhydrasa III	0.09525746	0.20386793	0.1489183	0.76321715	0.9679762	1.112431	0.5522181	6501950	0.44090000	0.0000000	0.00 FOLD	20070080	O B423742	86567146
Phase-1 RCT-140	1.1365305	1.0737746	1,08894	1,2223126	1.1630431	1.0988894	97715557	0.9850658	0.9435057	1.3072765	0.9100343	0.0304003	1 0385171	71872723
Complement component C3	0.9076645	1.136751	=	0.77127045	3,74259955	0.64919555	0.6243669	76436394	0.8663367	1,337,3703	A2468174	6069255	0.7269739 (39716005
Glucokinase	0.22718303	0.22319907	0.325073	0.8831044	0.37406287	0.6822068	1,027,9574	130/8301/	0.09309400	07121518	0 866669	0.8906262	0.8112478	69010395
Phase-1 RCT-173	0,53699034	0.56089324	0.7333649	1.4942459	1.1185646	1.5702301	0.7363481	1 0315034	0.0460	0.7465311	B0231154	0.7503385	0.7689178	0,8627664
3-methyladenine DNA glycosylase	1.3799967	12216369	1.0408667	1.0718043	1.0632485	1.14/1024	0.0330491	1,0313024	0.9002400	1 9945956	19337581	1.8582721	1.8599674	1,7225305
Perceisorral multifunctional enzyme type II	0.658994	0.8394799	0.8796246	0.6359808	20447164 3446707E	0.50700300	0.313007	BENG2985	0 8431448	0.9448729	-	1,0184052	0.99027276	0.8077492
Phase-1 RCT-40	0.4853818	0.5555728	0.59639330	0.71043103	0.7088858	0.5903618	0.6044028	0.9323341	0.79148287	0.69046897	0.63439333	0.6844554	0.5913708	32951182
Senescence marker protein-30	0.25026908	0.30033334	1 5431700	0.03721401	97814065	1 047667	3,858344	2,42759371	3.877533	1.0329841	1,0828401	0.8815802	0.6840803	1.3927739
Cyclin G	4 9749749	1,3004403	1 1431388	1 1503028	0.93425035	1.0693377	12832224	1.0746332	1.3415979	0.69286543	1.1768833	1.1099266	1.0548519	1.1472411
Melanoma-associated anugen with 91	1 046909	0 9913271	1 0394105	1.0966167	1,0385667	0.93758285	1,0409671	1.0098525	1.0531511	0.75400424	0.7597331	0.72094095	0.67411643	0.8603621
Phase 1 KCI-28	0.9470561	0.90177435	0.999938	1,0734193	1,093064	0.982335	1.0125818	1.0449198	1.03981	0.838049	0.8360968	0.8904551	0.8565506	0.9426818
Month of dehisters of	0.6103157	0.72795018	0.86061025	0.50387177	0.48758432	0.5776422	1.0825635	0.8581436	0.848854	0.8367958	0.91361827	1.4696511	0.7263304	75,000,00
Stem cell factor	0.39381477	0.5186146	0.5154229	0.8351924	0.80079305	0.6740239	0,74144495	1.0372766	0.90118307	0.79425645	0.91805583	1.3332036	0.0559003	11351508
INK1 stress activated protein kinase	0.48332104	0.53869396	1.2542062	0.75581247	0.5868684	1,0492703	3,70668423	0.923/688	0./441003	0.07404604	75423425	0 6696207	0.6501835	0.8084186
Protein tyrosine phosphatase alpha	1,0898191	1.0925637	1.1685536	0.9388281	0.8959853	1.0310825	4 042004	4 0930058	1.102/07	0.07586	0.80965066	0.76813054	0.8103089	0.7867369
Phase-1 RCT-55	1,3403332	1.5320877	1.5006536	1.268838	1.203023	0.95259697	0.0453776	1 0339141	0 98554635	1 6548876	0.9269145	1,0741147	1226962	1,094108
Ubiquitin conjugating enzyme (RAD 6 hamologue)	1.4229134	1.7556481	1.4431268	1.0346051	1.1333363	0.377807	0.8733667	0 89540184	0.9034812	1,0616039	0.8123445	0.7682843	0.8117516	0.83882326
DNA topoisomerase I	1.1016808	1,326,3638	0 78533064	0.0403000	0.9529383	1.0330125	0.9494678	1.0272999	1.0607578	0.95340014	0.8615733	0.8786874	0.81892294	0.8114135
Phase-1 RCI-280	0.533123	B 430987	2 5703746	1.051313	1,0466814	1,0973539	1.1368082	1.04943	1.1317236	1.6784772	1.2597113	12338262	1.0899724	13784454
Superosde dismutase wn	0.8522539	0.64730583	0.6011008	1.1133955	1,4442486	1.0395551	1.202307	1,6354953	12386514	1.1412523	1.3404566	1.4790536	7 7760034	1.000244
Codrama phosphate synthetise	1.1242747	1,2833863	1.8289906	0.9278763	0.7007986	133171	0.5926893	0.67888874	75190950	3.4733377	7.00000	303030	0 0452755	0 999121
Disculptional kinase zeta	0.94603074	0.997824	1,0638399	1.1401289	1.0394475	0.8656581	0.93417054	1.0623133	0.96619236	0.9454/69	0.000000	0.90032020	0 9641596	0.6216214
Phase-1 RCT-141	7.1357465	7,2120247	3.7435362	0.6617978	0.60285646	0.6212063	0.86311406	1.1100342	1 0224483	1 3050028	1 0551736	1 2210464	0.9777864	12110108
14-3-3 zeta	1.4999998	1.131468	0.9499575	1.263/444	1.3063304 4 7766386	0 96140186	0.66964066	1.3621364	0.7044736	1.4804174	1242699	1,203527	1.6780851	1,2003117
Gamma-actin, cytoplasmic	1.022033	1.988036	1.7.504340	1 0611742	0 98364013	0.83735808	1.1337094	1.074133	0.993692	1.52151	1.1396385	1.3989338	1.4078625	12625325
Rabosomal protein L13A	1 1058717	1.0822744	1.2977197	0.8426331	0.8927244	0.8353011	1.2029779	0.91002476	1.1760598	1,2875332	1.2759454	1,0996753	1,0108335	1,3124323
Phese-1 RCT-85	0.4320325	0.41457424	0.38011414	1.1647984	1,3021673	1.1629522	1,2268347	1.1254463	12376106	1.0819929	1.4554951	1 28898	1 3291215	2 0794258
	2,6571018	1.4275053	1.0407388	1.9909544	1.7620658	1,5192893	2.084037	12/43/91	2.7892826	1,38/1430	4 730394	172958	1 4581976	1,616117
Protein O-mannosyltransferase 1 (Portal)	1.0562338	1.029916	1.0601768	1.1908216	1.1333046	1.1744632	1.1939492	1.046//63	0.86110145	1 130067	1.9126804	12976148	0.9555399	1.1675782
HMG CoA reductase	0.9396796	0.7656673	0.8/06/8	1,4230400	1 1092446	10396893	1.1422951	1.0599444	1.1237003	0.99063987	1,0148551	1,0405171	0.9353542	1.0033823
Phase-1 RCT-12	200	0.8421231	0.01 12.01 1.2.0										-	
Interieran related developmental regulatura e No.	1.287171	1,5135175	1.7927483	0.7127763	0.7127763 0.81366634	0.72271615	0.801223	0.84179425	1.0093904	1.5784473	0.87686637	0.9521281	0 6348192	0.5898367
Glucose-regulated protein 78	1.3154746	1,9799765	1.0250951	0.79633164	0.95822865	0.7500036	0.49939182	0.9461277	0.42//025	0.72931704	0 78077984	1 020451	0.8422508	0.584767
3-beta-hydroxysteroid dehydrogenase (HSD381)	0.62026036	0.68418556	0.790359	0.8352436	0.78615814	0.85785084	0./0465/9	1 0559884	1 1180794	1 0704948	1.151978	1,0238767	1.1292125	1,0855743
Caspase 6	1.0693247	0.75148624	0.76196325	0.77800465	0.90762183	4 0000108	1 4181015	1 1180694	1.9467065	0.7517752	0.83352387	0.7773873	0.75212264	0,80869126
Phase-1 RCT-169	0.4548970	0.59004873	1 18R2R05	0.77684677	0.8980972	0.8835461	20215065	1,567097	1.9994967	0.679455	0.95964074	0.85942656	0.781686	0.98144853
Phase-1 RCT-197	0.756725	0.3364442	0.3596196	1.2312793	1.2677217	1.1348192	0.7083609	1.1385628	0.8522291	0.63878006	1,5861293	1,3183023	1.0276324	1.0787803
Phase-1 KCI-54	V-01 VVI								! 					

					100000	1,000001	0.000435	4 0040000	1 15408061	LESCA 2 AGA	17338821	0 753465531 0	70319235	7082347
Phase-1 RCT-72	1.1306155	1.1636036	1.092386	1.09/2/20	1.0230792	0 7706469	1 1494774	1 1204019	1 2236372	0.912553 (96018976	0.3389	0,9522002	1.0912663
Pyruvate kinase, muscle	1.425564	80772055	1.48/2262	1 2382506	0.7263267	1 0067577 0	84896574	0.7118555	0.6234717	0.9073028	1,0796701	1.1628942	1.0942631 0	79852635
Phase-1 KCI-288	0.23031042	0.50001001	0 6303037	1 0018694	1 1047269	1 0444826	1.0615205	1.0400698	1.2160925 (.59664065	74350864	0.7103221	0,6588119	0.7953083
Prinse-1 RCI-90	A R7884784	0 E772002E	1 1492949 (73285925	B4285945 C	0.56799644	0.8313831	1.0290779	73934495	1.7634287	2.1759033	1.5541544	1.5351326	0.8703117
Cyconome P430 2033 (anemerical cone 2)	1 8639467	2 2460554	3.7026668	1,316692 (3,82251954	1.8811027	1.21064	1.082768	1.4075311	1 2058234 (94435036	0.9886616	1.8056173	1.6445351
Tidse-i Not-250	0 9032550	1 0410146	0 9832544	1 0304724	1.1687026	1.1976112	1,0511178	1.0188569	1.197854	1.245656	1.0436075	1.1647286	0.9651847	0.9845173
Mass-1 KCI-201	0.77907804	1 4827937	0.8703818	0.8032887	0.8563414	3.99489076	0.8373775	0.9917746		1,6579628	0.9266464	1.1574188	1.2349001	0.9436745
Weithacht-Christope april	0.58794993	0.84197855	0.86311156	2.524395	4.356156	4.0630703 C	0.73879296	0.9857336	75459	0.8555166	1.0827372	148755	0,7559773	1.010637
Phase 1 RCT-297	1,5855514	440919	0.9691238	1.1832892	1.2829204	1.0546764 (.75474393	1,5565206		0.8612338	0.7272609	0.65851194	0.68259454	76010853
Monoamine oxidase B	0.40415886	0.47420132	0.8763289	3916	DA I	1.0086754	0.64813185	밁	1.69949967	1,9965488	1.2216/12	1.1506134	4 4705633	1.1022/32
Phase-1 RCT-264	0.5477031	0.7163875	5 0.87044954	0.7661855	0.8704848	848 0.88962567	12360984	0.9997188	1.0841138	2,1039445	1,6591583	1,4133310	1.4/0002	1,0014,004
Peroxisome proliferator activated receptor garrane	0.9407037	0.96347666	0.94021547	0.98087835	0.82669514		1.1919423	1.0771556	1.0876944	0.6912381	4 4050064	4 2645403	4 0806133	1 0520197
Phase-1 RCT-143	0.80898196	0.9335652	0.9200354	0.8365609	0.8615436	0.8806122	0.88174178 0.91430	0.5724000	0.0004022	0 04385405	1 6672900	1 SOROGE	1 4378842	1.4695386
Phase-1 RCT-251	12507234	0.99473166	1.0245615	13187885	1.1619855	1.1531803	1,75250523	0.9731009	4 07304008	0.9838751	6770400	1 0347457	1 159922	0.9140217
Phase-1 RCT-117	0.414977	0.5429761	0.85409904	1.100/96/	1.425031	1.2423332	1,007,1207	4 4550077	0.0455460	0530	0 8725010	0 9334606	0 8609027	0 8697491
Glubithione S-transferase theta-1	0.5854065	0.7975663	0.835/2155	0.97881097	3	0.300042	2413/334	1.1000017	0.0100403	3 20	89075000	4 0564507	4 And 3453	0 8762403
Phase-1 RCT-91	0.69382536	0.73775387	0.829826	1.0261432	0.93682444 0.87	0.87485373	0.8188382	U.B827381	0.90037014	1.037 1930	4 4000077	1 2505BK	1 1312002	1 2798517
Phase-1 RCT-148	0.4372834	0.48757267	0.71771383	0.38764205	0.1270550	1.1000427	0.00	0.0730173	V2030070	4 44 55 60	1 2873513	1 3504R76	1 4705305	1 2739474
Phase-1 RCT-142	0.70470625	0.7619611	0.89791024	0.8802084	0.9240690	4 05477730	0.07.032434	0.55050	1 0794607	0.9054281	0.7913587	0.8612908	0.7760974	0.8106731
Activin receptor type il	1.2520882	1.0382146	1.1019463	1,22/9/19	1.2000012	4 73314EE	C COCCOLO	0.2468053	1 1352047	1 5694852	1 3247983	1,7543013	1.9845762	2,3085272
Glycine methyltransferase	0.44961107	0.5558587	0.7095007	0.0140013	0.0000000	77506005	1 1013263	A0022000	0 9561284	1211624	1.0699513	1.0480566	1.3227127	1.037069
Phase-1 RCT-281	0.7754388	4 200720	4 4002276	4 4374078	0.08973536	0 9988767	0.960111	0.9774708	0.9743804	0.8515599	0.7984276	0.7483091	0.72711426 (1.81427907
Callary neurotrophic lador	1.1300603	1.500123	. 1000	2						-				
חומים וויים וויים וויים מיים וויים ליים ל	0.43588607	0.26364505	0.32212257	1.273461	1.2031487	1.0601085	1.4752136	1.0967467	1.2513859	0.6102872	1.9348408	1.3396332	1 5492929	1.9160479
Phone, 4 DCT 96	1.1945838	1.0775385	1.0442026	1,2258453	1.0715451	1.0333042	0.9997181	1.0496165	1,0728508	0.7575879	0.78364134	0.7744145	0.7294781	1520881
Obece 4 DCT 207	0.721317	0.7420958	0.87714535	0.7684604	0.9359691	0.8276541	1,0164065	0.9006732	0.83726645	1.6417862	1,2579132	1.1991845	1,275/561	1.40/0396
Deline Median amiein (DRD)	0.46422666	0.593044	0.800343	0.6245376	0.8846462	0.8596166	0.8527829	0.8924298	0.8592623	1.9071511	1.8558291	1,6881598	1.7946575	1,3995363
War food-thain and Cod conthetace	0,81044656	0.7456922	0.91457057	0.6064915	0.8313029	725384	0.6937968	0.9016867	0.9237919	1.3071889	1,5575362	1.5723515	1.71646/6	1.5248476
Surfection-1	1,0256641	0.9220158	0.5466944	1.1035879	0.970146	46 0.94074523	0.8951083	1.0948863	0.9206497	0.49082947	0.62178147	0.862309	0.5035020	0740000
Sathain	0.89704394	0.86631477	0.9818503	1.0219948	0.9957715	0.93840975	1.0432082	1.0211529	943041	0.8094298	0.86907126	0.92505866	4 225612	10/400300
Phase-1 RCT-145	2.1252637	2.1723237	1.6937224	1.0924786	1.1279496	0.9253208	20902		9 0.87483025	1.6436093	0.97303474	/878377 L	1.2351340	1.1742030
Axin	0.79872334	0.8115975	0.8611034	1.0368758	1.0151545	1.1227697	0.93022853	0.92827886	0.965//334	4 2224057	4 4873045	4 4634802	1 1315519	1 1295748
Phase-1 RCT-89	0.5453231	0.53864914	0.6521261	0.6234304	0.90658265	0.97347134	0.8038181	0.8106623	0.000000	0004757000	1.107.3943	0.5504670	0 7543748	O R12R9EK
Saropiasmic reticulum calcium ATPasa	1,1523994	1.4429387	1.2799648	0.8404832	0.7737302	0.81190896	0.6449171	0.80010104	0.7032000	0.3142333	4 2000564	4 4440000	4 7044066	1 6570160
Alpha-2-macroglobulin, sequence 2	4.1839075	2,5233362	2.715508	1.0809472	0.8669137	1.0587713	0.96427506	0.9734716	4 9224736	3.30106.2	0.000000	0.01477037	A 81269354	0 9475712
Phase-1 RCT-204	0.8582717	1,0403843	0.99628437	0.9321955	0.91574204	1.0076454	1.3204478	1.1289903	1,3324/30	4 2265088	1 36799K7	1 3951694	1 0557984	1 2283928
Vascular endothelial growth factor	1,0194983	0.8317385	0.8090833	1.3544805	12000037	C1./4/U.L	1,0333130	0,330 1231	- Constant					
NADP-dependent isocitrate dehydrogenase, cytosolic	0 00000077	200000000	A 320EBEA	0.06244264	1 0712388	0 9659268	0.6363973 0.89498764	0.89498764	0.5124672	0.83154045	1,5300967	1,5062638	1.1711409 0.865462	JB6546224
	0.22033377	0.0500440	4 4440346	4 42050RT	1 0802554	1 0435809	1 049131	13372943	1,0621303	1.0496547	1,576299	1.7624378	1,0165328	0.76935184
CNA binding protein inhibitor IUZ	0.9634 4033	0.24546054	0.34234126	0 57009	1 391035	1.2602396	0.78130835	0.90000063	0.62243927	0.9521015	1,8269354	1.2247102	1.1620347	1.471561
GUATMORE S-transferase va	1 387752A	0.8976402	0.8673453	0.5946383	2.1764839	1.4394163	1,3269768	1.0547556	1.0711443	0.6488224	1.154437	0.8970572	0.897823	1.4644626
Include Hydrogen	0.7593347	0.914934	0.7774988	0.7057493	1.0052128	0.5375959	54009	0.77736425	0.8055467	1.6836514	12143323	1.0166754	1.1280773	1.0894256
Destanding Members	2246754	2 0235326	1.937981	1,0386198	1.2483485	0.8245856	314	6937	0.88534254	1.1252537	1,4452157	1.2815994	1,1291602	0.9805420
Phase-1 RCT-136	0.4837547	0.5928881	0.64294773	0.9968352	4873	7855	0.98995286	0.95010537	0.9596354	1.1706163	132212/5	1.4024783	1.2488363	0.7544750
Phase-1 RCT-137	0.5818089	0.942127	0.811585	0.7700804	7424	0.94639325	0.8137919	0.90570736 0.87	0.87529916	1.0847173	1.0329431	1.1231384	1.1120/63	0.7044730
Phase-1 RCT-138	0.67271286	0.72875625	0.707145	0.9773584	0.91599864	1.0124159	0.90588854	9	1.1919372	1.122433	1,0000110	4 0403007	4 0504597	0.302/01/2 0.52304075
Hepatic lipase	0.7047539	0.75835204	0.71763843	1.0121894	0.95323354	1.0079603	0.99588245	2	4 0746065	1.1213103	E O POVOTA 4	D BOH 5348	0 83645993	0 R184254
Phase-1 RCT-164	0.9278866	0.7969825	0.908474	0.9165927	1.0523679	1.0/314	47000	4.0055034	1,0044460	4 7455885	4 558070B	1 312305	1 4582772	1.3910766
Acyl-CoA dehydrogenase, medium chain	0.79967874	0.7393488	0.83210176	0.73627454	0.8837712	0.91548.50	4.000500	1.000004	4 4770/00	1 5166143	2 1237757	1 7591436	17777395	1.3945678
Gutathione S-transferase Yb2 subunit	0.3045299	0.40643677	0.5249075	0.88581985	1.1552350	1.2/60923	1.0635205	4 005200	4 080077	0.8056814	0 9705353	0.94701123	0.79218596	1,0697061
Carbonyl reductase	0.92416507	1.0466173	1.1998419	1.30400B/	1.234084	1.1313949	1.0743027	1 0346686	1 0006778	0.6753864	1.1428063	1,6202288	1,3858429	1.950642
Phase-1 RCT-166	0.70038703	0.7867500	1,06/3340	4 6548234	1 3962342	1 430906	1 1659422	0.92955685	1.0375022	1,1050973	0.97214895	1.1664267	1.0208557	0.8730222
Apolipoprotein E	0.8851828	0.0002323	0.5302/ 0	0 5R20A72	0 80210687	0 72684467	0.71072745	0.792164	0,68305695	2,5961697	1,6771219	2,043923	1.8228165	1.2854927
CON-Gucuronosynansterase	74691397	0 9078378	0.7788952	1.1876825	1.2616893	1,23038	0.8774866	0.7872	0.64037204	0.88875085	1.0382009	0.98146504	0.6273349	0.826452
Clearity to a related matern (FRn72)	0.6290925	1,1224369	0,63963157	0.67112243	0.91005915	0.778954	0.68335744	0.9612055	0.56993437	0.8456112	1.1470146	0.9194813	1.2645048	0.7/18187
Ribosomal emileful 13	0.6568473	0.7036254	0.9710089	0.94095105	0.87592095	1.0126235	1.0014877	0.92827505	0.99862456	1.0620136	1.0663751	1.0313082	1.1038878	0.362/236
Centoolasmin	1.7592546	1,8117203	1,3932713	0.52711457	0.5835136	0.6233739	0,86146617	0.86553144	1.0863144	1.5816642	1.0560533	1.0133246	1.1568834	0.745/641
Inter-alpha-Inhibitor H4 heavy chain (lith4)	2,2391062	2.3968518	1.4262823	0.88059545	0.81076914	0.82861763	1.0505555	1.1348828	1,3342403	2,5089014	0.96965/1	1.1390605	1.60161	0.07 12000

	20,1014	1 00100111	4.0004486	4 4400000	4 04362521	1 02870621	4 0273917	1 0200948	1 0724574	0.6928104	0.6887421	0.6819289 0	.70804083	0.8018848
Catrin bata (Estuh)	0.6927773	12224269	1.388874	1,0120357	0.9593613	1.0973529	1.1913033	0.9472866	0.9575428	1.7459846	1.3263263	1.873284	1.2724094	1.1350562
2-huranicalitycate definitionase	53898954	3,61912805	0.7326178	0.74951434	0.7024103	.90187496	0.8523345 0	.64821655	0.9119072	1.6135261	1.3164902	12244747	1.07482	1.1387099
Carbonic anhydrase III. sequence 2	0.5080026	0.55615216	0.70735127	0.83197474	75209033	.93139654	0.9239506	0.73026	0.7096105	1.8400338	1.6613233	2.458617	1,6302828	1.0/5965
Phase-1 RCT-10	0.48418176	0.6128508	0.82376313	0.84087366	84525925	1.0484238 0	0.91933336	0.8322231	0.87178034	1.3866808	1.5769869	1.6836//8	1.4026026	1,1180481
Alpha-2-microglobulin	0.29952586	0.821193	0.801648	0.49235755	0.9217399	0.8471127	1.0014356	0.7976173	1.1252269	1.42/9813	1.031/126	33000	76805013	0.841907
Dynamtn-1 (D100)	0.71102625	0.72075087	0.8527931	0.8452111	0.6805899	0.9623996	0.9635512	0.070110.0	1.097.2339	ON PRESENT	68584985	0.6569975	65096354 0	68193793
Lysyl oxidase	0.98570657	0.628988	0.76101756	0.8567120	1.0436364	1.0393000	0.04/00253	0.0754101	0.88722295	2 RS12778	1 4090779	1,6297409	22446158	1.2400365
Phase-1 RCT-252	0.9285519	1.165125/	T. POCTOR	4 0000325	4 047038	1 0074042	1 2317841	1 06505	1 158505 (82815874	0.7962048	0.8354118	0.8336083	0.873624
Phase-1 RCT-29	1,4584/3	CARREAS 1	1 4256411	0 78414015	0.8989087	0.84224635	0.8173931	1.0745447	0.85816205	1.1886961	1,3220515	1.4537668	12721572	1.174264
Phase-1 KCI-2/8	73052055	0.81331635	0.8910113	0.79016685	1.043816	٠.	1.1175622	1.0581623	1.0374261	1.0088334	1.1821977	0.918688	1,0288299	1.0825038
Direct DCT-25	1.2618358	1.2642598	1.10331	0.96738404	0.9553004	1.0114694	1,0447799	1.0004472	1.0107833	1.1839976	2.479686	0.9411088	12010261	12266299
Charleman DASO 2014	24704466	1.9078546	1.4591697	387625	3.84485775	1.0741663 0	0.85097635	0.5943745	0.8158655	0.6299076	0.73781073	0.72572714 (.69188803	0.9932447
Bhaca-1 RCT-202	0.6051588	0.7278996	0.7796611	0.7149809	0.865961	0.86057585 0	.99933394	0.9146393	0.8931529	1.5513196	1.8358388	1,5952733	1.4870919	1.185869
Companient factor I (CEI)	0.81900567	1.0529522	1,1156056	0.6994022	0.7110971	0.78582335	0.9493939	0.99171686	1.0709479	2.2858648	1.4093875	1.3338502	1.3737532	1.0420713
Dwitersting cell michan antique gene	1.4294137	1,4133391	1.4064122	0.9420029	1.0223718	1.0601966	0.934554 (3.93468803	0.99952483	0.94553167	3.86530936	0.7725962	7,70009243	0.8969806
Activating transcription factor 3	1.0077639	0.81865346	0.8512373	1.5028864	1.3285861	955398	1253289	1.0005217	1.2484285	0.8559317	0.8377538	0.8614703	0.9157254	75408208
Focal adhesion Idnase (pp125FAK)	1,3414068	1.2758701	1,1721158	1.0977428	1,0256263	3 0.86727035	0.7406378	0.9552835	0.7383463	0.853/523	1 0045505	4 4400447	4 1585194	1 0773658
Phase-1 RCT-289	0.528327	0.59056926	0.75096637	1.0494264	1.116/09	1.1691.0	4.7704822	4 2050377	1 270001	0 695908	0 7442782	07357992	0.8130061	83569133
Phase-1 RCT-259	1.1215028	1.090589	1.2498517	0.9871378	0.91386825	4)12220.1	0.036303	1,2050377	1.323U3U1	1 2842793	1 8240598	1 5485758	1.4097923	1.6682738
Inon-responsive element-binding protein	0.69713926	0.59315/35	0.8505114	4 6500001	1.0465252	1.035034	1 2480786	1 1661986	1389407	88965833	1 4078712	1,3185018	1.0934252	1,3201215
MHC class I antigen RT1.A1(f) alpha-chain	1.504203	0.00223	4 2000462	747277	0 5442(63	4 013814E	0 6422136	0.8783011	0.55853033	2.3734446	12964717	1.1809934	1.3323961	1.2289581
Ayl sufformsterase	0.0030077	0.726403	A 77777084	O GESTOCE	0 0024 1906	0 96378416	920126260	0 93005747	0.9799532	0.777871	1,0407368	1.025883	0.87143636	0.870087
Phase-1 RCI-1/1	0.7370937	0.120133	0.71028245		0.84522706	0.6916546	0.8663882	0.9936655	0.82949996	0.6407857	0.7512907	0.8629757	0.6592825	0.6329174
Phase-1 RCT-83	0.0000/003	0.00111303	0.47878425	0 9381476	0.91166586	1 0485853	0.5680312	0.866144	0.6855335	0.98342913	1.1652378	1.1633575	1.0940489	1.1839353
Phase-1 MCI-2/0	4 0404042	4 200/006	1 0257403	0 8050518	0 8934542	0.8169802	1 1092607	1.0685774	1.0107762	1.786168	1.7746499	1.6199031	1.3877275	1.1764985
Colony-stimulating ractor-1	0.0404012	0 6004307	A 8224 RAGE	1 0139564	0 9796881	0.9640716	0.7199556	0.87858886	0.8120479	0.8711168	0.9435722	1.0228249	0.9813706	0.8958409
Negaherin	0.0010303	0.56222356	0 8503954	0.7954088	0 93053335	0.9533455	0.9120184	0.9085017	0.9696517	0.8885365	1.5072792	1.6016475	1.0390991	0.9776235
Prize-i RCI-02	0 90366966	10162156	1 0328758	1 0507973	1.0900549	1.1250201	0.8405298	0.959915	0.82604456	1.0475864	0.97279537	0,9886485	1.0074229	1,0318091
AT-3	0.94364683	0.91168565	0.9323619	0.86410018	0.9821184	0.8789114	1,0158845	0.9483119	0.988296	0.6174436	0.7008765	0,6499755	0.5786419	0.7182002
Proce-1 RCT-18	1,0880953	1,0562044	1.0352442	1.0483129	0.98644024	0.945038	1.0513842	0.97582465	1,0705905	0.6483723	0.7278831	0.695882	0.7413752	0.6239311
Phase-1 RCT-123	0.942926	0.9165151	0.88910246	1.0092225	1.0079914	1.0441352	1.0727158	1.0350396	1.1081657	0.75/84135	0.7655468	0.7833172	0.7 0366114	0.6002340
Phase-1 RCT-68	0.71351665	0.6895977	0.5782603	1.0972241	0.96377987	0.89855397	3.535.37667	111/8.0	0.62007314	0.4763038	0.7003/303	10000000	0.0100000	1
Equiliprative nitrobenzythioinosine-sensitive		-	, , , , , , , ,	100000	0.0400000	74205075	0.00220	0.8075988	0.8446284	0 5393093	0.8753246	989776760	0.87187207	0.7875424
nucleoside transporter	0.3808276	0.5262183	0.52223164	0.7942725	0.840808	4 2040262	0.0130032	36	0 82486784	4 4003			1.4706844	.89994177
Glucose transporter 2	0.87624544	0.8728005	1.473532	0.74/6115	1.0236311	1.2010302	4 4200407	54647	1 6980616	1 2145824	13773247	1.1539617	1,039652	1,7228174
Multidrug resistant protein-2	0.59546643	0.60/63/9	0.7036141	0.62211300	1.1/00303	0.3174433	1 4447477	1 7871479	17363156	1 2297612	1,5076531	1,1705312	1.1718171	1.9785933
Mulidug resistant protein-1	4 0184266	0.33/00640	0.09226303	1 1936728	1 1894058	1 1349349	1 2407495	1.1601112	1.1949817	1.4312906	1,6005602	1,5769914	1.4028358	1.2941403
Prospirational programme of the process of the proc	1.5241313	1,6506789	1.3921574	1,3518351	1.4562556	1.2881371	0.9379289	1.0632517	0.79617786	1,6528405	1.1988584	1.1730433	1.3809882	1.3180695
Integrin beta-4	1.4435644	1.1425481	1.1073117	1.6875612	1.1652658	1,1891097	1.1951041	1.1183937	12043513	0.91482276	1265923	121350/	1.183587.1	7 704072
NADPH cytochrome P450 oxidoreductase	1.1213237	0.87752545	0.97285336	1.5096794	1.7895893	2.0279326	1,5581936	1.1363585	2 2924062	1,3035545	0 76359858 0 791454	8 9	0.81009877	10235741
Wafi	1.6990244	1.2274972	1,6123046	1.331/13	7575737	1,3033701	0.07346355	0 96808344	1 069694	1212	1,4306145	120	0.82535577	0.7521349
Endogenous retroviral sequence, 5' and 5' LIK	0 8705403	0.1000013	0.85150605	0 8746849	0 9001036	0.8798245	1,13066	0.9700166	1,0807189	1.0381888	1.0479908	1.0735352	1,0594997	1.0701118
Disco 1 DCT-54	1.0652574	1.101874	12245046	1.1913763	1.0014059	0.94526327	0.78194547	0.94455016	0.85507464	0.8876683	0.81816113	0.7837275	0.8642544	3.83311677
Phase-1 RCT-240	1,3077047	1.2138573	0.9375371	1.3307282	1.0289514	1.0278102	1.0331606	0.9304758	1.0413692	0.8951383	0.8912369	0.89813745	1 624 52021	1 2042612
Osteoponlin	1.0512712	1.1643302	12367349	0.76885474	0.8067802	0.8280479	0.75522083	0.89928675	0.73630134	1.52005 10005	4 5768706	1 5513385	1 4487778	1 0734624
Organic anton transporting polypeptide 1	0.5916078	0.7413065	0.6040456	0.69233716	1 739/713	1 0857303	1 0139757	1 3267018	1 2578334	1 2524337	0.7523311	0.8331813	0.72702056	0.73069406
Phase-1 RCT-241	E/2882.4	4 6474242	1 4459003	1 1626036	1 0351211	0.96692556	1.0714221	1,0304844	1.195742	0.7901795	0.7596306	0.7009274	0.6543542	0.7902081
Control descendent trings & Inhibitor P77kin1 (alternate	1000	1.0												
(done)	0.83009607	0.79751307	0.8365888	1.1878817	0.97654067	0.90278506	1.4749484	1.0896901	1.1883827	0.7837502	0.73372513	0.70567954	0.702238	0.8249023
Phospholipase D	1.0277334	1.0462468	1.0423865	1.2506069	1.1117148	1.0290259	1.0377579	1.0272654	1.1899432	0.5755709	0.8823/295	0.6/0013	4 1311218	1 75RM 27
Phase-1 RCT-39	1.9448162	1.6607018	1.1161488	1.0992681	1.0001618	0.9457036	0.90820867	1.0321048	1 00000	1 205100	0.0263333	10174366	0.9567233	0.92544883
Phase-1 RCT-258	1.3076243	1.5029466	1.0619624	1 1082581	1.0891925	0.594239	4 0543504	0.0577744	1 1636484	1 8727595	1 2809746	1 2970605	1.2991271	1,4661425
Phase-1 RCT-113	1.6777076	1.69/5/01	1.5355016	4 03323001	1 0318035	1 1772559	0 74138695	0.9136149	0.7833294	1.1955613	0.97231615	1,1573008	1.0500072	0.9939014
Agenine nucleotide translocator 1	10 241426	14.553651	12 09506	0.44807184	0.4367361	0.8417437	0.74271258	1.077761	0.92592365	8.038896	1,4080614	1.4837458	2,4075847	1,2356061
April - I and pycopocell	0.640287	1 093261	0.6414842	1.2653269	1.0854923	1.4793081	0.95601594	1,6316396	1.0811237	0.5779688	1.1571199	1,3171036	0.63548213	0,91488403
MAN GROW II WILLY I'M TO THE GROW OF THE COLOR OF THE COL														

PCT/US03/14832

W	m	03	/N9	56	24

				020000		Carcana A	A GOTALTAR	1 074377	1 0743771 0 938947141 1.04223911 0.7218599 0.77056118	1.0422391	0.7218599	0.77056118	1.2044345 0.9406603	0.9406603	
Organic cation transporter 3	1,3337432	1.7077032				_	A 70748	4 043282B	0 70718 4 0132828 0 9377698 0 83673676		0.8523498		0.9770271 0.84055907	.84055907	
Lamouts Inchritis factor 1 atchs	1,3204832	1.1450992	0.8969522		1.0091324	300	007.20	0.030933 0.00746597	00746597		0.9881513	1,018139	1.1303705 0.9679506	0.9679506	
Typoment and the second second	1 1178727	1.0544515	1.0544515 0.88765806	1.1848121	1.0640243	1.0640243 0.94122195 1.05/1/99	1.05/1/89	0.930023	12001000	.1_	8900000		0.8758564	79350805	
Phase-1 MCI-43	4 4/07596	C00747003	1 0 074 2003 1 0696173	1.3563025	1.0473186	0.9489343 0.7611681 0.9171722 0.7901805	0.7611681	0.9171722	0.7901805	_	0.700000	4 TOCTOOL 2 DOCTOOL 2 DETROIT	20022007	2.0578318	
Phase-1 RCT-45	1.140/300	0.01	200000	0.0030706	0.8404537	1 0236982 0,74214853 0,98339045 0,6873183	74214853	3,98339045	0.6873183			ē Š	2007201	2000	
Malate dehydrogenase, cytosolic	0.7515208	P2/0000	70/00	20,0000	0002,000	2000000	4 2104633 0 9594896 0 90724387	0.9594896	0.90724367	0.784723	1.5301994	1.266206	1266206 0.5286735 0.41182223	41182223	
An 30 element	1.4296632	2,1761582	1.104087	1.2510153	1.0047300	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	27.000	F7173	0.9520122	11189541	0.99253845	1.1224505 1.1865047 0.80942756	1.1865047	.80942756	
Dhesa-1 RCT-189	0.5131606	0.5618863	0.5616863 0.86379526	1.075168	1,01048/	1.1132421	200000	0.05607	0 05607 0 BR56421	0.7815498	0.857944	0.7274048 0.58047184 0.9341884	0.68047184	0.9341884	
Archa-fetonolein	0.7244933	0.7025027	0.7244933 0.7025027 0.83123344	0.9076809	0.9555648	0.8170300	4 005430	A 0252147	4 met 30 0 0000147 0 85030943	2.1869202	1,8657371	1.7632047 2.1021824	2,102,1824	1.449812	
	0.6578509	0.7287717	0.6578509 0.7287717 0.97752064	0.8037931	0.7044839 U.ST 3427 95	0.80.39.21 33 2.00.0077	2300304	1 0082041	4 AGESOSE 1 MORROLI 1 MS89432 0.72947234	0.72947234	0.792064	0.792064 0.74072236 0.7876025	0.7876025	0.B057347	
noon activator	0.92463607 0.91001326 0.9556101	0.91001326	0.9556101	0.8964045	0.9101535	0.8540027	1.0302330	4 00072007	1.0502930 1.0002041 4.0607858	1 2558378	1.1928694	1,1256952	1.1611594	1.213078	
	0.96231896 1.0077479 1.0886918	1.0077479	1,0896918	0.88459	0.8266539	0.5304308	1.013332	0.0021307	1.013504 1.002101 1.002101	0 7895885	0.9325181	0.868063	0.8055328 0.78791255	3,78791255	
I hav fath add hinding protein	0.70699626		0.734916 0.63297325	0.6870081	0.9852495	0.9852495 0.48083243	1.0430312	O DEFERRITA	1.0436312 U.S4CHUZA 0.0040E487 2.2724483	2 2724483	1.595131	1,5789102	1,5648578	1.1774793	
Amba-1 memorphylinthigunin precursor (Ambo)	0.78587	1.044145	1.044145 1.0671828 0.88515323	0.88515323	0.9323729	0.5477831	1.07.33000	0 03556440	4 4297014	1.0/33000 0333001 4 1007011 0 69338286 0 77983824 0.68476593	0.77983624		0,7000201 0,88142915	3.88142915	
Dece-1 RCT-294	1.0541323	0.96882206	1.0541323 0.96882206 1.0315374 1.124736 1.0769658	1.124735	1.0769658	1216385/	1.14/14/4	4 44 77 577	0 98314088	4 4 1 77 5 7 0 083 1 40 6 1 4 8 2 8 4 4 8 1 2 7 6 0 5 5 7	1.2760557	1.3595732	1,272823	1.1544464	
Obseq-1 RCT-151	1.6887034	1.347316		0.98699635	1.1288682	0.94408404	CICI 0780	4 0500360	4 1564245	4 4584245 0 76545316	0.8022199	0.8022199 0.7458671	0.7364893	0.8001943	
Obsert DCT-458	1,235396	1.1895529	1.1443145	12830663	1.1443145 1.2830663 1.0643113 1.1254982			20000000		4 0064764 1 3382692	1 2492788	12492788 1.0550431	1,3420081	1,2916902	
OLEGA 4 DCT 204	1,030/1074	1.0854243	1.0854243 0.87420696 0.8508047 0.94196916 0.854635/7	0.9509047	0.94196916	0.864635//		0.000000	4 0064782	1 3077625 1 1762241 1 0237588	1 1752241	1.0237588	1.2880515	1.2327558	
Charles April 201	0.86876875		0.99915403 0.92755795 0.97780347 0.9511962 0.93793476	0.97780347	0.9511962	0.93793476	1.052604	0.3004/34	1.02011 P	0 7009E42	0 91549305	0 2008642 0 91549325 0 88209933 0.85996383	0.85996383	0.9493728	
Priest I Not - Kas	0 6003731		0.8113117 0.7256079 0.73137224 0.87877524 1.0843134 0.95356314	0.73137224	0.87877524	1.0843134	0.96356314	0.8422430	20000	200000	4 0477949	1 20 22 22 22 22 22 22 22 22 22 22 22 22	0 96691006	1.0346707	
Organic anion transporter 3	0 R7E2247	0 9226188	0.779699	0.7463155	0.76889044	0.779699 0.7463155 0.76889044 0.7061313 1.2098159		1.0945992	12482721	1.334/168	1.01/1312	1.334/169 1.01/1312 0.32001007	0 8720447	0 6202767	
Mamx metalloprotestase-1	790007	0 2750087 0 75534984	ľ	0.55183727	0 7949645 0 55183727 0,7308858 0.6506781	0.6506781	0.938629	0.7580768	0.0010/63	1,2031013	3000	200000	O CAACCAD O CAESONAA	A DARSONAA	
Urinary protein 2 precursor	0.51 00301	1	1.	4 04 08 4 05	PCF2C10	0 8530802	0 8530802 0 8705843 0.88937553	0.98537553	0.6246544	0.9570021	1,000//58	0.9570021 1.0007759 U.S/6591631	0.000		
Phase-1 RCT-212	1,0145875	1.0426927	1.1432420	1,0001.02											
											-				
(1) Gene expression data for 6 hour fimepoint are															
presented as mean ratio of trealment/control for all b															
hour predictive genes (Table 18).														_	
(2) Compound and dose abbreviations as in Table 1.															
(3) Individual animal number															
(4) Liver inflammation classification for compound-															
dose group at 72 n. yes-near, metatos outserveu, 703															
both, negosis with milanimation coses see, no, no historiathology observed															
(5) Predictive gene (as in Table 18 and as Included in															
Table 26)															

						İ			-					
Table 28. Expression Data for 6 Hour Timepoint (1)					1	-		$\overline{}$		Г				
	000 000	CADA	CADA	CC14 250	2014 250	CL4 250 C	CCL4 1000 C	CCL4 1000 C	CCL4 1000 D				-	PS 8
Compound-Dose (2)	5	25.4	150	2041	2042	2043		ß	53	5	25	33	į	35
Animal Number (3)	vechoth		ves-both	ves-necr	yes-necr		yes-both y	yes-both y	yes-both ye	yes-both	yes-both	yes-both	Ves-both	mog-sa/
LIVER I COCCIN HILIBRITING CLASSIFICATION (1)			Г		П				- 100	0300000	1000000	4 54258	20381908	18 500328
Insufficie provid factor binding protein 1	2,3119966	7.2956443	5.4513335	4.720753	4.2272696	5.3301377	8.427773	11.83/842	11.800423	2 7634600	2 1360015	3 6335547	2.1310408	4.285916
Gadd153	0.7479399	1.7784672	4.1913447	2.336987	2.0631456	2.100735	2.4713635	2.10/83/	4 6503835	2 9950739	1 7897125	3,367003	12743174	3.7306855
ormyc	1.3135252	3.9707828	2.682938	1.982752	2.031/86	4 570/82	3.UZUU333	1 9555797	1 6383938	3.2584634	1.611702	23119438	0.93144053	1.132536
NiPK	1.1146551	1.6890501	3.62.109.21	0.0000000	2 2240463	C2/8967 C	£ 2943854	5 4248834	4.533411	1.5592618	1,3544492	1,6992153	1,3231181	2,5843117
Cathepsin I., sequence 2	2.0964768	73707878	57 01253	7 2549453	7 2823186	5 94 17424	15.42959	18,257088	14.647765	1.6679943	1.0814756	1.1872652	1.6366897	11,614569
Heme oxygenase	3.924103	2 4404477	4 6760575	1 3698624	1 2746289	1.2012031	1,5856453	1.4261839	1.3318579	1,5393132	1.2151245	1,5855896	1.1496828	12894638
Phase-1 RCT-109	4 205/2022	4 4040072	1 3182194	1 00973	1 0394938	1 1334747	12215972	1.0156878	1.0708045	1.5784802	1.429071	1,5319284	0.78907585	0.86375627
Phase-1 RCT-111	7 946307	2 2 4 688	1 969421	2 4241286	2.0150434	2.0917354	1,6834902	2.2397385	2,3092072	2.091064	1,3005798	1,5935695	1.0603545	1,6386608
Argininosuccinate iyase	4 3088243	0 87338567	0 64051324	0.9967758	1.0083989	0.90253353	1.101699	1.088394	1,077243	12374716	1.1068139	1.1588707	1,3905/2	1,844,2800
DIVA polymerase beta	1 4924821	12773464	1.1584544	0.9554986	0.9913326	1.0563555	1,1391082	0.9619896	1.033327	1,5079179	1.3562362	1.4835775	0.79346466	4 00001724
Prisse-1 RCI-103	1 6909133	0.970197	0.9053542	1,0705708	1,2868172	0.9569621	1.3279332	1.3234763	1.4143836	1,4176896	1.3486302	121590/5	1,3/63004	1.320/32/
Dheed DCT.114	0.9104472	0.74436617	0.74265414	0.9651101	0.8801546	0.9910585	=	0.88734823	0.8798569	0.75689	4 4552007	1 7810184	1 4757700	1 7532504
Phase-1 RCT-15	1,6371068	1.275288	1.7276384	1,5455071	1.7218494	1.7525623	1.8089906	2.2955114	2 40307777	5 BR50153	2 080393	36116807	1.4550626	2.597739
Macrophage Inflammatory protein-2 alpha	0.8278021	1.7633419	2.6699395	1.674307	1.7014763	1.8465084	7.01900	7700077	£. 19901.91	20100000				
NGF-inducible anti-proliferative putative secreted	,	30760007	3 43006	0.0585678	1 117477	0.9117649	0.95627236	1,4657005	1,2530751	2.3247848	1.2591267	1.9707054	2.0227947	3,49445
protein (PC3)	1.19/9269	0.0000000	4 4053036	9 843839	1 5301129	1 7143354	1.765191	1,9311954	21170824	1.8139787	1.3070747	1,6436646	1.0759082	0.9932865
Phase-1 RCT-191	1.8152/14	1.3930902	1.1033320	1 2202152	1 1490434	1 0950398	1,3952271	1.4307247	1.2528312	0.9053477	0.8250375	0.9047954	2.2431734	22671828
Phase-1 RCT-83	0.73504363	0.7606783	0.8713317	0 9375349	0 88309338	0.8079158	1.1189009	1.0704927	0.95530857	1.0079188	0.91876096	0.9384714	2.1674688	2,5936215
Cydin D3	0.7300051	4 2640613	1 1452044	0.9671543	0 92588127	1.0442723	1.0805012	0.94068253	1.016978	1.4829427	1,377,9464	1,477578	0.84972245	0.97617847
Phase-1 RCT-108	33760060	4 8750867	1 0180972	1 8700042	1 5009369	1.8301104	1.7928864	1.9683919	1.5245956	0.78505814	0.9341211	0.8404754	27.61458	50.134712
Phase-1 RCT-56	4 9040004	1.02333001	0 GERGR17	1 1311305	1 0980906	1,0097194	12458616	1.1723938	12777756	1,297069	1,0390009	1,1958895	0.8706868	0.9505239
Phase-1 RCT-192	4 340000	4 4018989	1 3910917	1 4566525	1 2355762	1,3514895	1,3709408	1,5162334	1.6612226	1,5519956	1.1466051	1.5147408	1.4459257	1.929228
Phase-1 RCT-75	0.00012770	0.567617	0 63944256	0 9381389	0.94148564	0.99784344	0.7945885	0.90173614	0.9188139	0.59567237	0,71057606	0.57765245	0.81368885	0.584/420/
Acetyl-CoA carboxylase	1 2800066	1 229744	1 1441046	0.95619035	0.98879665	1.0344732	1.0688434	0.95213866	1.0174334	1.4334613	1,3142861	1.4255482	0.759/3/8	4 2420043
Phase-1 KCI-65	1.3676171	1.8028801	1.1484365	1.2889959	1.2876298	1.1339352	1.3299972	1,2237831	1.2789136	1.1378365	19566087	0.537.3491	1,000,1	2 2300206
Descent DCT-49	0.96976095	3.1739488	2.3326297	1.876507	1,7790385	1,5383307	2,3413782	2.3936243	2.238492	3.153926	1,000,000	4 2453007	1 787743	2 1915812
Phase-1 RCT-9	1.0575371	1.8933662	1.6913858	1.0626987	1.1526046	1.0497037	1.1789852	12411392	0.90739	4 4704849	9 Anotose	4 9645725	2 8278213	2.7900846
Gadd45	1.6932851	3.8760571	38,514282	2.6577005	3.1833534	2.184613	3.8200356	7.04465.34	1 0005/18	4.47 U4043	1 3194238	1 4234393	0.7991934	0.9390516
Phase-1 RCT-156	1.2604553	1.2340484	1.1095451	0.95185286	0.98036768	1.0198048	1.0701334	0.95163027	4 100538R	1 4173325	1.1361438	1.3608257	1,313708	1,5472544
Coffin	1.4240563	1,5084375	1.0483849	1.0718291	1.093644	0.92603594	0.63024200	1 7071846	2 2465473	27517655	1.850964	2.4814494	1 2943637	20298467
Phase-1 RCT-127	0.81116664	1.7621762	1.932/44	1.6482924	1,534,5937	4020233	4 727355	1 4408935	1.6883032	1.8791075	1,4821895	2.4320447	1,9972274	9.395047
Macrophage Inflammatory protein-1 alpha	0.7422691	1.6225/4/	2.122/51/	1.0002030	1 1353724	1.2073545	2,20005	2,4226031	4.3565836	4.665098	2,8630896	3.9066653	1,3831595	5.941812
Zinc finger protein	1 0109471	0.691861	07773256	0.8184901	0.80251557	0.762677	0.60800713	0.65640043	0.66291195	0.97237515	0.9612783	0.9248407	1.0047376	0.812212
Prase reci-/3	0.919225	0.5388102	0.586033	0.491175	0,53210413	0.45659876	0.67928296	QΙ	0.59101784	0.5731256	0.69015/	0.8628206	4 0740364	2217814
Cautantine symmetric	1.011707	0.5723452	0.4712397	0.73004955	0.74544215	0.74887365	0.58058536	0.67230284	30284 0.63362724	0.5747827	0.72500564	0.0409330	1,87 19304	2 57922
Phase 1 RCT-242	0.83821094	2,308592	3.383666	1.8941776	2.8681173	2,1463683	3.5348887	5.8996334	4.5911546	5 0200002	2.142/00	4.758477	1 4986522	3.6602044
Phase-1 RCT-50	0.829090	4.94440	12.229047	1.7896957	2.0087337	1.628204	2,6136935	4 64895608	1 7737053	1 1194688	0 993348	1.0118845	1.2626036	1,4459492
Bongation factor-1 alpha	1.717573(1 226738	1.409381	1.4109732	1,5548483	1.4123010	44 639049	13 900116	14.06068	1,3733207	1,1207848	1,3520906	1.3210272	3,7003593
Integrin beta1	1.259022	3.595624	2.7.3343	1 248702	0.8888472	1 0492625	0.8704036	1,0676789	1.1604877	1,3551917	1.3844278	1.1766762	1.279985	1.2799462
Insulin-like growth factor binding protein 5	1.293047	2 100545	3 150155	1 057616	1,0359329	0.940391	0.81517875	1,0401115	1.1751164	6.071453	3.1821194	7,903795	1.3543965	2.5287957
Phase-1 RCT-59	1 35494	1811788	1 433260	0.9673944	0.9215219	1.0230848	1.1009315	0.992902	0.9464289	1.5137483	1,3804142	1.4611747	1.0202393	0.89900303
Phase-1 KCI-/6	4 323700	2 08237	1.05559	1 594224	1.9397582	1.5407901	3.0893784	2.66429	3.2831922	1.0038675	1.1405584	1.1268369	05851/U.F	1,341 149
Fertin H-chan	1 24163	5 0.5761300	3 0.546055	3 0,6965962	0.70001954	0.69926655	0.40623954	0.48731083	0.5844298	0.53132254	0.78264445	0.6229505	0.5309696	0.45/0/24
DTENAMAC1	0.928956	0.862602	0.855105	3 0.9418389	0.94387454	0.9551798	0.93258	0.98485607	0.8739038	0.90156037	4 4 4 5 6 4 4 6	0.6202854	0.73603324	0.91582304
Phase-1 RCT-214	0.8528691	5 0.274506	2 0.4583044	5 0.6621283	0.72034127	0.6400244	0.4267588	0.618/0036	0.413/0235	0.0316043	0.7631768	0 7803701	0.72068938	0.6143368
Phase-1 RCT-112	0.5761360	5 1.010552	1.189547	7 0.9732197	0.99535376	1.1752481	0.6218382	0.56285134	0.00383380	4 0370532	0 64288737	0.9532804	0.7390853	0.5231131
Thymidylate synthase	0.7728632	7 0.872076	1,049697	2 0.612214	0.5048558	0.5152679	0.55109050	0 95825195	1 1089252	0.8984008	1,2250783	0,94904673	1.7811163	0.6139232
Phase-1 RCT-13	0.521562	3 0.4380372	2 0.6451412	0.56158/8	1.44/3544	0.9263877	0.4948106	0.4596022	0.5580892	0.90174264	0.818171	0.7942088	0.66437906	0.59565127
Nucleosome assembly protein	0.0304/33	0.046/0	1 660041	5 0 519392	0.7015054	0.56620497	0.82671213	0.7317732	0.5285978	0.7143598	0.8142259	0.6898346	0.7565269	0.8305054
Cholesteral 7-arma-hydroxylase (P450 VII)	0.609985	120440	3 1229225	2 0.955981	0.959533	0,9381182	0.8418604	0.9564593	0.8430709	12768474	1.0281366	1.2594897	0.7516262	0.52//1/3
Phase-1 RCT-260	0.718606	9 0.796813	3 0.927854	1,090988	0.987822	1,0015965	1.0957605	0.9870531	0.97538114	1,0405232	U.GOGUVA	V.r Of OVEN	7,000,000,00	, , , , , , , , , , , , , , , , , , ,

								00000011	100000	0 0007467	0.0006765	0 9972333	91482216	92259985
Phase-1 RCT-32	0.9953333 (33706656	3,87090135	0.9783181 (99020135	0.9735037	1.3715404	1,55000000	1 3320557	0.981639	1.1212487	1,0674276	1.1291138	0.88799363
Peroxisome assembly factor 1	0.8585118	0.7209078	1.0101999	1.3560089	1.2014/01	1.10092.14 0.8904722	1.4330232 0 8724565	93131304	1.081931	1.0131531	1.0616709	1.1232765	0.9814477	0.8092792
	0.68897086	0.7359022	7.011100	1.000/020	0 0430782	96517754	0 7957453 (86976206	0.7596626	0.9050432	0.89856493	0.83887005	0.8498794	0.765677
Phase-1 RCT-82	0.7364691	0.8827714	2 0004730	1 0075004	96995884	1.1714364	0.7452125	76697737	0.72133565	0.6276889	0.77923274	0.81458427	.44438338	32009557
Matrin F/G	0.84116334	1.0641300	2.000173	0 8480633	0 9404541	0 8383928 0	60490584	0.75648206	0.7396757	0.972706	0.82846713	0.9470841	0.7523752	0.6486802
Phase-1 RCT-184	0.88089025	0.85320243	0.52727	0 8004694	94666797	90024704 0	04 0.78059053	0.9129972	0.8111624	0.52182996	0.7787344	0.6053192	0.7827294	12/0/6/60
Phase-1 RCT-168	0.91814//4	0.3030/10	0 7514412	77737004	0.9768846	1.1320573		0.49750438	0.5205638	0.42945015	0.4619425	0.32372543	3.56969Z13	0.42404392
Phase-1 RCT-119	0.53265354	0.6440RD73	0.4194511	0.6969878	1.04505	0.9963601 0	73173237	0.928288	1,0034028	0.6991688	1.0589145	0.70417035	12/03014	0 5778653
Carbonic arrivotrase II	0.8895429	0.73408055	0.811272	0.8387789	0.8976374	0.9079463 0	78804016	6 0.98330957	0.78418344	0.96259177	4 470001	4 4005054	1 035437	2.033831
Ohere 4 PCT-74	1.4726019	1.2972516	1.6733831	1.2983922	1,2536311	1.2558036	1.3095739	1.6219091	7 4555721	2 4748769	17165123	2.139141	2,3016577	1,9836354
Phase 1 RCT-179	1.9355127	2.128932	1,681951	1.9652004	1.9016367	1.7535436	3.1131349	2./010402	0.49534002	0.6693633	0.7874405	0.572149	0.9279446	0.78658193
Phase-1 RCT-161	0.6034442	0.35334432	0.4025698	0.34059/38	10.515US.00	2 5540826	4 3550987	4.160575	4.602809	4,741258	2,62,80184	4,4846463	1.2659117	1.5635973
Phase-1 RCT-207	1.4105413	4.559005	3,5664513	227/0343	2.2704434	2 3463002	3 6047573	3,9221654	4.2120833	3.6527136	2.0571349	3,3134623	1.1437457	1.6977193
Phase-1 RCT-144	1.5797241	3.512054	1.0000301	2 3055065	2 274617	3 7255003	8.37507	6.0022345	5.58821	1.9802423	1,4397321	1.0639042	1.0797901	1.2393788
Phase-1 RCT-225	0.6774557	6/91/50/0	0.013/04	3,000000	0 55084175	55567514	45938703	0.3523421	0.30694932	0.4431618	0.35407856	0,5515161	0.6889061	0.5190199
Cytochrome P450 2E1	0.77954865	1 2953200	1 567844R	1 5316503	1.5534334	1.3917205	1,5481912	1,469856	1.9059677	2.5968096	2.1279018	2.5312078	1.0392978	1.0273883
D-1	4 0036756	2 1524622	1 6517862	1.4850017	1,5040743	1.3818958	1.9179963	1.8905054	1.745985	0.9804469	0.85677475	0.86/1225	7.323331	110150165
Thioredoxin-1 (Inxl)	SAAOGARG	0 14212105	0 2213954	0.17380586	0.36841282	0,33015507	3.16364865	0.18636541	0.1882683	0.30441058	0.52056233	0.1503/333	0.000000	0 01836905
Carbonic anhydrase III	0.90040755	0 7295722	0.9351885	0.92915887	0.8771744	0.92032593	1,0101515	0.9773559	0.8518868	0.99272378	1.1561514	0.8041940	4 4861282	1 3581802
Phase-1 KC1-140	0.9611644	0.25397107	0.39104083	0.85080093	0.74151826	0.8857699	0.54868776	0.61355263	0.55287236	0.404482/2	0.5030402	0 4104879	0 82839274	0.4372022
Complement component Co	0.4234179	0.2688428	0.52989897	0.727991	0.7952781	0.790524	0.84241295	0.94311875	0.72375727	340293792	0.054258	0 64358954	0.49504937	0.40923452
Gucokinasa	0.7666544	0.78352094	0.93554294	0.82587385	0.9025237	0.9214379	0.861688	0.8639385	0.65525593	0.000000	1 0650122	0 97405255	0.8775075	0.70072234
Tibber NOT-173	0.88808084	1.0513217	0.93820846	0.8596188	0.9509164	0.95414406	1.0169537	1.02250.1	1	0.003/3004	A E 8 Q 4 2 4 3 4	0 6183892	0.8519087	0.7063619
Designation with principal provine true [2.4660795	0.46825773	0.52663386	0.77331233	0.8140461	0.76301664	0.6367751	0.7405/38	0.0773430	0.53135003	0.6643274	0.45526516	0.612867	0.47146228
Phase-1 RCT-40	0.9760939	0.5969545	0,5337219	0.7205404	0.70755297	0.81110394	0.54325676	0.3682330	0 24360909	0 28437155	0.40426284	0,30218995	0.26722875	0.23533735
Senescence marker protein-30	0.49553764	0.29998216	0.33453637	0.3201941	0.4511159	4 5740055	2 248219	2 5908928	3.1865892	11,608406	5.425879	6.810581	1,5611303	3,1243408
Cyclin G	0.7824177	4.528601	2.3966677	1.501178	1,50/3817	4 0007343	4 446m311	1 3368099	1,4273763	1.1234566	1.2549	1.7350804	1,3896492	1.6730782
Melanoma-associated antigen ME491	1.088585	1.8628344	1.6821188	1.2593484	1.34212/4	C16/1000.	0 78467035	0.77615494	0.8603964	0.99635386	0.9799828	0.9890519	0.94953664	1.1225307
Phase-1 RCT-28	0.81097436	0.9844163	0.83515337	0.973022	0.949385	0.9778266	0.7417402	0.8882057	0.7879438	1.0394256	1.013423	0.9776732	0.8109267	0.74839026
Emarin	0.945136	0.02132123	0.49242228	0.52689916	0,5003644	0.4558391	0.37904266	0.385591	0.35632846	0.6124827	1.2965522	0.6903406	0.365/0102	0.10294373
Alcohol dehydrogenase 1	0.5593459	0.71949965	0,7328701	0.49537513	0.7185977	0.67886615	0.4406641	0.4377355	0.3629124	0.62860346	0.85/48/74	0.626293	O REGERER	0.9622045
Stem cell factor	0.8745276	0.57629526	0.84690446	0.75723034	0.9665918	0.96922076	0.5570498	0.5211548	0.6538903	0.7554554	1 0240759	1 0357015	0.9270212	0,88255745
JNK1 Stress adivated protein middle	0.6362091	0.9264011	1,0984765	0.9136001	1 2328273	0.9707821	0.5859978	0.81406066	0.61641314	0.04070403	0.00004124	1 0610863	1 12711	1.5746086
Protein tyrosing prospitateise alpita	0.804613	1,5112758	0.9790343	1.4592545	1.6486949	1.8197386	2.0516403	2,0697963	2536242	1,05227.33	1 4253161	1 3943104	1.5347537	2.276446
I bimilin conjucating enzyme (RAD 6 homologue)	1,3416165	1.1966028	1.8489709	0.9807192	1,4882606	1.1661017	1.9029436	7.71/4011	2750375	0 76253986	0,71231335	0.7307804	1,4454291	1.4159832
DNA topoisomerase 1	0.9501295	0.29587418	0.42970923	0.9159226	0.81556916	0.96522/8	0.58007 145	0.59748894	0.53611416	0.9542428	1,0068421	0.9218929	1.0696307	1.0215472
Phase-1 RCT-280	0.76106465	0.6763532	0.773200	4 0527757	4 6785880	2 1623943	3 5460567	2,7466645	3,369079	1,8340144	1,3580865	1,6279742	13.238676	25.926502
Supercodde dismutase Min	1.1204505	1,707,3054	1 20785	2.0626967	2.0077472	1.943834	2.4189525	2.8958285	2.3575835	3,208725	1.9164867	3.0126639	1.1878859	1.35399339
Beta-tubulin, dass I	1 9892458	0.60889864	0.5872123	0.7291081	0.97467864	1.1146663	0.42388776	0.47219825	0,48713353	0.24904704	0.36111557	0.16594565	4 2475509	0 7496691
Carbamy phosphate synthetase I	0.8788656	0.9669919	1.1301641	1.0330832	0.809113	0.9028356	0.89302677	0.9222901	1.1501794	0.82326907	0.9407130	0.327124	3 933005	5.1109853
DESCRIPTION NIMES COM	0.8148036	1.2960917	90060896'0	1.0613628	0.91138697	1.0562961	0.96756905	1.10911/9	1.3153/49	2 645223	4 9145318	1 9458206	1,3774607	2404773
14.2.3 zeta	1.3846525	1,9147628	2.0993452	1.390145	1.366735	1.354112	1.8211/4/	1.0423S10	2 8730252	0.8278944	0.7556073	0.98835266	1,2281301	1,7828681
Gamma-actin, cytoplasmic	1.647812	2.1027524	0.66946924	1.5896072	1.8304678	4 4740749	2 0406037	1 5940348	1,5394613	1,5896859	12773485	1,5645155	1.2858732	1.5497344
Ribosomal protein L13A	1.3827646	1,7786045	2.062/89	1,4300303	1.3080919	1,4173352	1.8891319	1.5659968	1,8064673	1,5476291	1.1507761	1.537693	1.0906036	1.8248991
lkB-a	1.3330220	1 3890537	1 667872	1.2702037	1.3508801	1.4941704	1.3753192	1.3057662	1.4137537	1.8276304	1.415835	1.6244654	1.1506512	1 0038534
Phase-1 RCT-65	1.010200	1 644759	8.064402	1.6744564	1.9502923	1,9512099	2,807757	2347875	2.213561	6.3308783	28/41693	0.1803133	0.00000	13415624
C-tun Countrie O managed dispersorates 1 (Pomt1)	1.5473114	0.874916	0.8281035	1,2295191	1.3800625	1,3761586	1,4826359	1.2863501	1.2546318	2,00421	1 795320	1.199023	1.0044541	1.1298063
HWG Cod reductase	1.2520605	1.7975483	1,8445336	2.0499802	1.9273098	17556287	1.0000000	4 500003	1 3587487	2.05186	1,6978605	1,8933133	1.0652502	1.1678504
Phase-1 RCT-12	0.9859903	1.218905	1.1665337	1.349696	1.3547063	1,3004097	1,401450	0.000000						
Interferon related developmental regulator IFRD1	4 0505367	2 8053054	4.7076125	2.105227	2.2468653	2,0867763	1,6571985	2,5576532	23199174	1 223931	0.9535336	0.94480956	1.842565	7.0443166
(PC4)	0.7411716	2439788	1,5991093	2.7701724	2,9547899	2,7926419	5.8805923	4.753417	4.45632	0.51465/56	0.562334	0.57 12205	1 1989218	0.8422013
Silvose-regulateu protein ro	0.6884783	1,016121	0.8089495	0.7855619	0.9304191	0.7794742	0.7549982	0.8669116	0.72560	4 4530594	1 005052	1.1413513	0.87471366	1.2563053
Coepase 6	0.936903	3 0.9463218	1.3151512	3.4051418	3.962217	3.0601647	1.7323384	1.812038	4 4033355	0 970449		1.29976	28.334414	50.985996
Phase-1 RCT-169	0.6917184	1.335471	1 203399	1 2.0839918	1.5128983	1.815517	2.1445417	2,61801	2,351316	2.979385	1.6086432	2.671713	1,3244987	1.1843028
Phase-1 RCT-197	0.844980	0.966231	1.303373.	1 589684	2.4088078	3.02467	2.300364	2,34873	3,38962	5 0.7582375	0.9879893	0.65401655	0.8146932	0.73925963
Phase-1 RCT-34	1,230+uu	0.601	4.00	1										

									, 100000	4704492	nanosnet	1 689314	1.1816725	1.4818263
	apcococo	4 OTROPOR	1 605539	1.7562784	1.6021874	7512926 2	1262965 2	0971465	2.139002	4 436 27 48	0516709	1.158779	12984685	2.5647087
Phase-1 RCT-72	00030700	4 871953	1 79406	1.9241703	1.7307527	1.747322 3	4254837	3.286254	200303	40205875	5558374 0	41167507	1.2113482	0.6854917
Pyruvate kinase, muscle	4 0843713	0 8703787	0.8276993	0.6931965 0	76391727 0.	76854193 0.	44312045 0.57	00007/6	4 0788777	1 0572964 0	97399783	1.0686189	4,8481035	3.9902635
	1,00457	0.00000	1 2693992	1.318112	1,1516389	1,4022013 1	1322969	200	1.0100211	63003123	0 6696601	0.7108054	12211319	1,3198639
Phase-1 RCT-90	07001000	O ATTRON	0 5275725	0.8788171	0.6711389 0.	69374603 0.	44899547	0.5215289 0	0.0071700	S S S S S S S S S S S S S S S S S S S	1 01657911 0	0 84750396 0	79651177 0	.40007532
Cytochrome P450 2C39 (alternate done 2)	1.4294702	0.4277030	1 0651308	1 2061001	1.0689138	1.7508026 0.	050107	66315347	08890897	0.97.30300	1 0004526 0	0.92772245	23512795	3.0676053
Phase-1 RCT-290	1.400000	0.0354002	0.6523995	0 8921551 0	82023275	1.018219 0.64	82	33	0.7081691	0.07037500	O DAKE 7 BA	0.8022878	1.3952336	1.1606957
	1.0245043	40740645	5005000	0.6526783 0.8560	2017	0.58042955 0.349	194	0.59323686	0.50111895	0.600/200	0 7807432	0 7438366 0	73636895	0.9178753
	20078192	COST OF	1 0841516	0.5242209	0.7426045	1.0815678	8	0.9646082 0.	76200700	4 5247574	1 5787635	1 3753719	1,1246371	1.9491049
Cytochrome P450 1A2	77939773	0.636974	72925884	1.1538289	88	1.1267134	1.6303947	1,666346	0.567933	0.8230205	0,6693939	55632544	0.8120461	0.8736394
Phase-1 RCT-297	1 1973089	0.504228	0.62358018	.69716674	0.9426104	8	0.556/32 0	50457247 0 474	47118095	0.9255162 0	0.94872975	0.6430608	1,3150915	1.1697228
Monoamine oxidase B	1.0834051	0.8222485	60075	0.6877542 0	939944	0.6529500	203304	0 5421776	0.49760393	0,9871824	1.1446279	1.158231 0	56138337	417906/6
the standard and an in-	969956690	0.9299547	1.3657857	0.6848236 0.57	659036	3 3	0.4513230	72649175	0.7035476 0	,85511434	83037823	0.77951586	0.9231572	0.92/0230
T	1.4184138	3,78841317	0.6346353	0.8597134 0.92	811453	0.616/24.30	C.0000011 0.1201205	53381205	55352144	0.9604719	1.0857064	0.95832306	0.8531395	0.700/624
Phase-1 RCI-143	1 9705374	0.317508	0.51978743	3.92484313	0.8187723	0.707066 U	0.50412000	0 5059784	0 66229874	0.9106198	0.9202041	0.87588304	.82947356	0.5197422
Phase-1 RCI-251	0.92305714	1.0276644	0.9680342	3.62454796	0.789401	0.9050800	4 420077	Ę	98761874 0	70249635	1,4697529	0.7551619	0.8106182	0.6552/06
Phase-1 RCT-117	0 9323482	0.7935082	0.61952883	0.7970015	0.9530864	0.93760920	1.120077	SEESA	0.796561	1.0723565	1.0071766	1.1406521	38771243	1.162320
Glutathione S-transferase theta-1	1 0972021	0.9442165	1.031396	0.9665812	0.914521	0.8442005	1.0589972 0.35	0.3505554	CEST 20053	0.6828032	3,83464164	0.64547133	0.66099244	0.5109037
Phase-1 RCT-91	1 3210924	0.9275585	1,550977	0.7834517	0.9201806	1.0260774	0.004020	70064604	0 6387631	0.8686345	3.88812375	0.89347315	1,0525999	0.998/6/4
Phase-1 RCI-148	1.4287773	0.8441853	0.71449745	0.8341488	0.8202667	7,6803034	0.0003334	1 0754179	1.111014	1.1103334	1.1373843	1.0822145	1253(337	1.4661304
Phase-1 KU-142	0.7297942	1.0337821	1,6983289	1.0256433	0.98416483	136406304	0.30000	56339014	0.58733654	1.0578471	0.8857534	0.807003	0.5160808	0.46256350
Adivin receptor type II	2.4114377	0.47884047	0.49802622	0.6830936	0.7854997	0.8751300	1 0531604	91362125	0.92539054	1,4438016	1.2952989	1.4973631	0.95608485	0.5000351
Glydne menyurarbelase	1.199641	1,4400989	1.2093737	0.9792368	0.9168282	0.9034739	1.1571782	1.2929274	1.1696086	0.9328774	0.8946134	0.9899391	0.9763426	1,0009330
Citizer permitmobile factor	0.745853	1.118535	1.2161535	1.18325/2	0.3000412	0.0000	-				,	* 2660604	0.47155218	0.30919215
Gan traction membrane channel protein bela 1 (Gib1)			913011000	0.0770465	0 87834656	1.0167788	0.6837226	0.74404514	0.6571991	1.1826813	1.0848333	0505057	0.82777053	0.82031095
	12795113	0.9282646	0.66446510	4 2443784	1 1926857	1.2596132	1.5964193	1.5357841	1,3911699	1.1103030	01/000/1	0.645.0630	0 9858619	0.7802296
Phace-1 RCT-96	0.77/156925	1.055011	0.30/3/02	0 00046457	0 9417581	0.8268098	0.6728452	0.815438	0.68366486	0.643/34/	0.0044745	0.000000	0 8439978	1,0279119
Phase-1 RCT-287	1,3527446	0.41945133	0.7000304	0.000000000000000000000000000000000000	0 9000841	0.7366943	0,5251537	0,71166134	0.63496715	0.84218097	0.0011/13	0.67265726	0 R212074	0.7510522
Relinel-binding protein (RBP)	1.9882082	0.747/332	0.0230323	0 GOOK128	0 88417155	0.79436916	0.65351707	0.73875624	0.6090495	0.49/80843	4 6705430	1 2054821	4 0334755	1.0698189
Very long-chain acyl-CoA synthetase	1,8829083	0.04833100	0.00707075	1 2751071	1 3960745	1.2664818	2,3770056	2.0508943	2.0938329	1.12038/0	1.00000	0.0576998	0.9243795	0.9937698
Syndecan-1	1,0350183	1 124781	1 1083966	1.0016823	1.036157	0.9994017	1.0511173	1.1291132	4 770054	1 5757778	1 296319	1,2824025	1,5739777	1.7931125
Stathmin	6 400000	1 2653792	0.8604996	1.4562881	1,2705727	1.108444	1.4387472	1,5380406	11/3524	9230830	0.6624747	0,5951345	0.7790972	0.6852828
Phase-1 RCT-145	4000004	1 011621	0.87543017	0.8358333	0.9110534	0.92687196	0.6224805	0.70304330	0.00403034	0.4878097	0.65466374	0.41624737	0.6395085	0.41811565
Axin	1.0000131	0 64431	0.62657005	0.8187667	0.765338	0.8455435	0.68433857	0.6523533	1 3435522	0 7452555	0.8651663	0.7102866	0.88919526	1,0419314
Phase-1 RCT-89	0.7346823	0 678492	0.910686	1.2678341	1,4873061	1.3692182	1.15424/4	1430734	O OFFAROT	0.8071213	0.70532227	0.7340056	1,3945466	1.7211853
Sarcoptasmic reticulum calcium ATPase	1 6258769	1.7354616	1,7171525	1.062175	12175983	1.086588	1.0451134	1.034116	0.7524R584	1 5292451	12592149	1.663888	1.09233	1.2205852
Alpha-2-macroglobulin, sequence 2	0 90933255	1.2025608	0.8403303	0.86432433	0.88172287	0.9129091	0.8274832	4 0540687	0 9906874	1 2348491	0.9830063	1.1149285	1.1534766	1,031852
Phase-1 RCT-204	1.1986527	0.63937867	1,2101904	0.8950636	0.9757528	0.9748777	0.94093003	10001001						0,00000
Vascular endotherial grown tacus						1	0.4627577	0.5217453	0.3940006	0.48255026	0.61113775	0.48255026 0.61113775 0.44652387	0.674601	0.34655046
NADP-dependent isocurate denyariogeness; symmetric	1.2047809	0.76818695	0.62308085	0.71136993	0.7278209	0.711077	0.7690025	0.8250387	0.8482248	1.114841	1.1794631	1.1767842	0.5010191	0.8406637
nava bindion profein implitor ID2	1.0100435	1.65888	0.5949372	1.0410534	0.7083364	383462	0.64700377	0.6600397	0.51077724	0.41939798	0.76207477	0.3934204	0.00420533	0 83465606
Gutathione S-transferase Ya	1.4814504	1,7,33064	0.6030113	4 0782284	1 094109	1.1129764	1,056092	1.1692771	0.78237045	0.556421	0.46003034	7730207	1034564	1.1445248
Epoyde hydrolase	1.3815439	0.01403/0	0.4141950	0 9474567	0.8353534	0.78302103	0.46760643	0.58024704	0.60479915	0.4302042	0.034200	1 1431897	0.7086122	0.568931
Insufin-like growth factor I	0.9/93343	4 4606053	1 7329744	1.1549983	0.9382255	0.9424291	1.2717161	1.33126	1.450564	0.955533	0.9050437	0.974615	0.6609319	0.5225971
Prostaglandin H synthase	4 2726202	1 425005	1 2323147	0.88156074	0.9591877	838595	0.7840097	0.8227/86	1001100	06504 0 65724R35	0.6173652	0.5603424	1.4551426	1.1607091
Phase-1 RCT-136	1 0146443	0.68679124	0,48060793	0.5674166	21	6 0.61981833	0.33729786	0.426900	0.40000	1 1383562	0.9078811	1.0262414	0.95415413	0.8600434
Phase-1 RCT-137	1.0772834	1.0311065	65 0.97364545	1.1285254	1.0616953	1,1446245	1.001/418	0.8861237	0.899742	0.7185157	0.71527475	0.5351321	0.84233063	0.87548906
Phase-1 KCI-138	0.98661196	0.75996757	0.8874578	578 0.70141566	0.7161963	963 0.82847134	0.1303002	0 67976645	0.6120671	0.9819737	0.9251458	1,0660801	0.9321561	1,054930
Hepatic lipase	0.8558236	0.77404755	6.8851591	0.81264585	0.76003295	0.7656317	4 0730805	1 0056304	0.900686	0.61162204	0.68734616	34616 0.60698223	0.8963108	0.96350110
Phase-1 KC 1-154	1.347032	0.8973996	1.0090826	0.937928	1.009849	0.0450073	PERSON OF	0 90997086	1.2567916	1.8305662	1,564669	1,3896784	0.7886186	0.76042034
Acy-CoA denydrogenase, medual crear	1.794705	1.000418	0.749	0.7702882	0.93701667	0.545542	4.47259R1	1 435340	1,4519048	1,3101182	1.1151174	12629411	0.8207663	0.8213120/
Giggmonde 5-dansierase 122 300mil	0.88419	1.850456	1,574280	1,2265201	1.249233	7385046	0.4747517	0.719755	0.6630136	0.80819106	1.3401084	0.8316048	1.0605597	0.03040013
Dhood 1 DCT 188	1,998330	7 0.6185785	7 0.5656205	0.764524	1.0011334	0.7632135	0.6172736	0.624815	0.79378355	0.89537805	0.8775564	0.62443325	4 0625315	1 0711629
Anolinomien F	1.123192	0.90062	7 0.540777	0.763005	0.00	0 86216784	0.958404	0.93894	0.9492223	0.7076112	0.56061924	0.040/000	0.676765	0.46590477
IIDP-clucuronosyltransferase	1.477342	9 0.71105	0.606/33	0.702883	0.9346592	1.0269729	0.9870015	0.9464156	0.9596345	0.99599165	0.7903/21	O 43RR018F	1,5568849	1.8656458
Christhione S-transferase P1	0.8024797	0.354550	7 0 4214744	1 253927	1223996	1.3024898	1.7934401	1.305937.	1.6093364	0.4063/46	0.020100	0.7364111	1.0848693	0.84891844
Disultide isomerase related protein (EP072)	0 0476255	0.69100	8 0.7927404	1.029638	3 1.0217744	0.99858195	0.5977294	0.7435036	5 0 83087236	0.49166134	0,7353487	5 0.50912476	3 2.692164	3.0194764
Ribosomal protein L13	1.06929	4 0.600927	3 0.54024	2 0.9182136	7 0.81857616	0.8085105	0.76963073	1.045123	1.0435778	0.625028	0.7452198	5 0.65089530	1.7876494	1.8562515
Certipolasmin	1,337966	7 1.116838	5 0.8619264	4 1.123375	1 0.927541	1.3131740	0.00200							
Mer-alpha-runnin in incari circ.														

							7777	100000	17770000	100TOSSO	12300000	4 0300307	4 4520AR7	A 2274236
Phase-1 RCT-3	0.76990856	1.076447	1,0939782	0.9582916	1 0474281	0.8945101	0.7434117	0.4551224	0.94296753	0.72092056	0.94352317	0.72833116	0.82586076	1.427682
Fetuin beta (Fetub)	1.6/6396	0.4016265	0.207919	7400007	0 8451905	0 8213481 0	71590674	0.6936974	0.659799	0,64931484	0,77761877	0.6270191	0.90812445	0.7316372
3-hydroxylsobutyrate dehydrogenase	1.200,003	0.3143370	0.0000000	E7366767	0.036387	0 8342833 0	46757162	0.5058463	0.73017836	0.44616666	0.53078806	0.4707676	0.9170497	1.5135932
Carbonic anhydrase III, sequence 2	1.2003304	0.40000120	0.303/0140	64206374	1200000	C CROORA	0.4646276	53810006	0 62484264	969/5/200	0.7168711	0.4817635	0.59489205	0.5933327
Phase-1 RCT-10	1.4409567	0.7034323	0.04107070	1000000	0.6477964	O SBOAEDA O	310286RS	0.4871063	0.5819161	0.3643467	0.4040345	0.30749255	1.2106907	1,518368
Alpha-2-microglobulin	1,221583	2CDC050.1	0.000000	0.725467 0.97	700000	0.0534812	0 5501799	0.5450088	0.5547201	0.88899726	0.9804812	0.8576619	0.9982495	0.8877794
Dynamin-1 (D100)	0.74302003	700000	0.0242456	1 5704415	1 36030	1 3988798	1 6269708	1,9080174	2.6890779	0.6873881	0.8882021	0.71592665	0.9450107	1.0889338
Lysy oxidase	2 204 8073	CEEDSACT.	0.5890379	71068493	0 8858003	1 0494912 0	41894205	0.48068845	0.4962888	0.2575677	0.36336455	0.19474936	0.56035715	0.38281167
Phase-1 KCI-252	0 08605177	4 4300454	1 R50R464	1 1470089	1.0698712	1278165 0	97839046	1.0963651	1,032094	0.99145657	0.87677824	0.9432818	1,1317669	1,2555859
Phase-1 RCI-29	1 2353101	0 97245338	0 88701606	1 2220638	92284024	1.0811145	0.908467	1.1967525	1.0185305	0.6032019	0.64057165	0.53538024	2,3213344	1.4524776
Plase I NOT 42	1 2263973	0,72725683	1 0270705	0.7965056	0.8119833	0.8097089	0.70672405	0.7940238	0.6862603	125504	92789	1.163411	0.90846527	0.8409699
Charact Or of	1 3400503	0.71631813	0.8908592	0.9498481	0.9675678	1,0153296	3,84585965	0.87870014	0.8067434	0.88231206	0.8173051	0.82556105	0.89211226	0.915536/6
Priese I Rui-23	0 84703493	0 91970026	1 1296113	28109	0.7778012	0.7267713	1,4392544	0.8061268	0.8263122	0.49695128	1.03909	0.5786471	1.8707821	4.951236
Cytochrome P450 2C11	4 4564 407	0 740 0000	0 6548748	RTOLESER	0 9951603	0.8479736	0.64830478	0.6975165	0.74289465	0.85015655	0.9159472	0.7909793	1.0349051	0.9189712
Phase-1 RCI-202	4 0074000	0.7443408	70000077	0 8515901	1 0002983	0.9945129	0.6820712	0.707449	0.78012586	0.74668545	0.8359527	0.7303353	1.0366135	1.1208212
Complement factor I (CFI)	3000000	4 5700004	4 4007794	4 3000065	1 4450836	1 3589109	1 7917043	1 9668527	1.9949214	1.9329227	1.408458	2.0936825	1.0204445	2.056137
Proliferating cell nuclear antigen gene	0.01611.0	1300001	1010000	4 7709700	4 4430048	4 3087334	4 75m118	1 6803215	2 788536	4.951724	2.4110086	9.10396	0.94867617	1.5747051
Activating transcription factor 3	0.6/020103	2,00000	20019999	1010001	A 0777607E	0 0470976	1 088376	1 161601	1.1856351	0.74937826	0.90177894	0.7627725	1,5010269	1,4551363
Focal adhesion kinase (pp125FAK)	0.74303100	/c000/0:1	0.000U2024	07570	30,00	O BORROGO7	0.4963911	54380053	0.57642025	0.61259246	0.6914029	0.5849629	0,66617507	0.5658197
Phase-1 RCT-289	1.1813/38	0.7350423	1.001001	4 2000453	4 20130	4 4505770	4 1006124	1 1R34676	8	1 9807171	1 2379681	1.8969477	4.440595	3,5297778
Phase-1 RCT-259	0.9364912	1.1554123	1.0833313	1.2220405	49000000	0.6975936	0 8083274	0.522027	O SZODEOR	0 59389475	0.6962427	0.5677659	0.7518585	0.46761454
fron-responsive element-binding protein	1,6793947	0.4641822	0.45618638	0.6345/12	0.00000	0.00/3030	0.000027	2 4522024	4 0006A37	2 5039837	2 275702	2 9335883	1 5030735	2,1590161
WHC class I antigen RT1.A1(f) alpha-chain	1.0681044	1.6154394	1.1893224	1.8027383	1.6/63330	7,0001.2	2 4500013	42640100	1.3020431	A 8025408	O RAPABREA	0.5141017	0.88375676	1.1436111
Any sulfotransferase	1.1323992	0.37316972	0.466206	0.7705742	0.82182616	6 0.85594856	0.4330830	0.42040102	4070400	4 0077744	4 074482	0 07247746	0.07918075	1 0791214
Phase-1 RCT-171	0.88392794	4.217631	3.0223002	12935977	1.4501972	1.4790764	1,6231/85	1./85/468	1.3948212	1,00/2/2010	1.07 1406	0.000000	4 1528116	O RESEAS
Phase-1 RCT-R3	0.66379505	0.57760215	0.6827723	0.734898	0.78642833	0.68845004	0.60403013	0.6130616	0.522361	0.65347245	0.7430034	U.0320023	01102011	0.00000
Dises 1 DCT 270	0.9952139	0.28924516	0,30679255	0.42279276	0.5645848	0.601451	0.37148762	0.35182983	0.33351377	0.40117723	0,56507355	0.33082615	#250901C.U	074030170
Colonia dialog factoria	1 6157281	0.9822437	1.0962149	1,0095385	1.0924473	0.9091654	1.6532322	1.3945118	1.4828888	1.0069628	0.9846374	1.0501423	77957501	1.07/035
Manual same	0 9025749	1.4551457	0.8943646	0.94862854	1,0244616	0.94529164	0.9197707	0.95273846	0.84445584	0.68326515	0.7747342	0.61833626	0.99789417	1.06/2/08
M-Cautelli	1 0978498	5 4447427	3.6026077	1.3090723	1.3878751	1.6256955	1.7990571	1.9777837	2.381932	1,2800819	1.3046211	0.97863965	0.797/3/8	0.7674339
TIBSET NOT 22	1 1418693	0.69525063	0 93468696	1.046796	1.0720685	0.92511845	0.9351244	1,1270996	1.0632728	0.73307866	0.78479606	0.67270553	0.87308486	0.62634103
Fridase-1 No 1-22	0.6058408	0.90479666	1 2390915	0,900798	0.92878395	0.90384087	0.75212264	0.87915534	0.7845656	1.1667881	0.9615662	1.1649761	1.1529136	1.1333535
Dhoes 1 DOT 18	0.7648718	0.5869311	1.0900828	0.89715505	0.91665715	0.9115502	0.7632367	0.83176327	0.79235566	1.0719212	0.9293661	1.0218002	0.89520614	0.0917089
Charact DOT 103	0 77413833	0.9863658	0.862115	0.90755355	0.9079689	0.90675247	0.76317066	0.80265874	0.87392914	1.010477	0.9495598	1.05693553	0.3628128	1.1209/29
Phase 1 PCT-66	0.6776368	0.4403439	0.50579554	1,0401405	1.1063148	1.1420103	1,3695538	1.2971989	1.185066	0,5796108	0.85207486	0.53227115	12234/18	1,0934276
Equilibrative Atrohomyvithioloosing-sensitive													10270010	22010001
nucleoside transporter	0.8715434	0.53494364	0.44810086	0.57781774	0.6435619	0.5678967	0.49503452	0.49750012	0.4519077	0.52313083	0.6585533	0.53679043	0.94005525	0.72394303
Chines transmeter 2	1 2268162	1.9424438	1,5349593	1.2248305	1.423532	1.3528277	1.7509978	1.6588922	1.6880615	1,6171918	1.7501007	1.3832057	0.46200713	0.00/10002
10 didney resistant profess.	1.5154055	1,2488911	2.0053098	1.6261132	1.7449061	1,4269935	2.8087103	2.6010973	2,2314851	1.4509126	1.1234243	1.4021662	0.711643	1.1062043
Manager angleton amplein.	1 7888969	1.2194726	2.0891721	1,5962315	1,4991003	1.4098299	2,4402385	2.1625788	2.0818512	1.3448792	1.1654493	1.4592565	16788880	1.4003000
* Observability of processing by Anding contain	1 5985539	1.1577157	0.8251732	1.1228001	1.1198587	1.3965826	1.0168259	1.0103179	0.9867312	1.8076031	1.706916	1.7590436	1.0720983	000,000
Dhoea 1 DCT 180	1,4201331	1.1617637	1,3948097	1.4070307	1.3807008	1.1516536	1.6127186	1.7807875	1.7981528	1.4982479	1.3986294	1,4035567	1,2623213	4 0704070
Acida hala-4	1.0363377	1.0828016	1216366	1.0506382	1.1610575	1.0161141	1,2358633	1.2353239	1.1844147	1.3344026	1,227,284	1.164/300	1000000	4 4030000
NADPH extechrome P450 oxdoreductase	3,2657955	0.6860144	0.94765896	1.5222464	1.4470071	1,9115843	1,8581034	1.5537935	1.7538813	2.7566848	1,889/55/	1.7030365	1,000,000	4 47077733
Waff	0.8310489	1,3573456	1.4912806	1.1303027	1.1454095	1.1591333	1.5165863	1.3578335	1216/68	2.8/13384	2034902	4.4 103003	0.05143088	1 7314086
Endopengus retroviral sequence, 5' and 3' LTR	0.75755227	3.1556017	3.3332348	1.4909548	1.1675601	1.9349821	3.8377452	Z.548478	2,6264/100	0.75492405	0.7.0004.0	4 2000074	0.0001000	O GRESTZ
Phase-1 RCT-53	1.149242	1.1151935	1.2662133	0.8791321	0.8919922	0.94042283	0.9346931	0.87853695	0.8156814	1,4691045	0.4322400	3355AA30A	1 0039141	0 901 18665
Phase-1 RCT-54	0.8881614	1.2109526	1.5785406	7	1.0186684	0.9747917	0.90/8/9	1,03561	2010100	1.07.04210	4 4045959	4 5545345	0 6242345	0 6030711
Phase-1 RCT-240	0.8160097	1.2583364	1.4070643	1.0565246	0.974571	1.0843661	1.1503016	0.963263	1.0340180	4701 CO. 1	0 7570790	0.7157203E	1 0087805	0 94970477
Osteopantin	1.7122266	0.6827101	0.5563333	0.8383603	0.9771776	0.82253803	0.91061855	0.03970100	4 045053	0.0253100	4 0144695	0 5719189	0.6728017	0.5838307
Organic anion transporting polypeptide 1	1.0561644	0.9352096	3,4884732	1.66128	1.255328	1.0303620	4 5205456	4 6705055	4 3676300	1 3357165	0.0005084	1.1693994	3,302751	5935304
Phase-1 RCT-241	0.77054065	1.9331848	1,5586313	1,708/93	1.130//42	**************************************	0.8840546	1 1353949	1 1683875	0.99494493	1.1246347	1.0570647	2,4100611	2,7514198
Tissue factor pathway inhibitor	0.00/20/2	6,00004.0	0,3201105	14130464	O'COCOTO I	1	2							
Cyclin-dependent kinase 4 inhibitor PZ/kip1 (alternate	0 7367664	2.4617383	2.3758519	1,9880528	1.6078707	2,1350653	3,403958	2.022662	2.0743952	1.817299	1.4354372	1,6073791	0.9862213	0.71860534
Dhochdingea D	0.6072967	1.2685305	12634388	1.373741	1.3506504	1.5624208	1.7619499	1.7192835	1.769655	1.1332911	1.0184197	1.1659371	1.1957514	1,17/99/4
Phase-1 RCT-39	1,2173334	1.2299783	1,2608266	1,5304945	1,5406138	1.6019932	2.1210551	1.7227267	1.6744628	1.6944017	1,32,33513	1.49/4584	1,24041/1	0 88743055
Phase-1 RCT-258	1.0367173	1.2945492	1.2439004	1,3259692	12458943	1.2269363	1.2184697	1.3149796	1,395/103	STREET,	1,0100017	1,0312000	1 1630632	1 897007
Phase-1 RCT-113	1,3668079	1,1069076	0.9632088	1.0305027	0.9227841	1.023018	1.0454726	0.95892	4.969673	0.000000	9030250	0 73467944	0 56217223	0.78746545
Adenine nucleotide transfocator 1	1,3789467	0.6547081	0.597232	0.9685422	1.0470865	1.012843	1,215806/	1 4 5 5 3 4 8 8	2300016	2 1709014	BC2C882	1,502966	31.327219	38,506073
Alpha-1 acid glycoprotein	1.4127148	0.95996765	0.47651073	1.2836778	1282101	1.61456564	1.0404043	7771-0670	0 59096974	0.8222332	1 0679607	1,1473274	0,65525264	0.727059
MHC class it antigen RT1.B-1 beta-chain	0.61415976	1.0250122	0.8135/3	1,230103	1,5315157	1,0450501	LUMINGUE	0.34621111		V.V.				

									1 4000004	4 00000077	4 0667671	1 1494646	1.3166937	1,6819906
	100777200	4 2045507	4 M3244B	1 2RR5575	135713681	1,100808	1.7612047	1.581278	1.4302331	70000	2000	A1000000 0 04720014	1100000000	0.8033998
Omanic cation transporter 3	123/1462	1,3043037	1		4 4370036	4 09386R5	13435054	13077757	1,3077757 1,4366746 0,86038107	0.86038107	0.8736076	0./000009	1000	000000
the section of a factor 1 airtis	0.88015145	0.8801164		1.0320001	1.1363040	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 0427840	O Garrans	0.95726347	1.5522428	13757614	1,5448341	0.6646387	0.1903420
Hypoxia-tripucine taxos i appres	1.1309488	1 2291051	1.375808		0.92383516	0.97.57.233	1.0421043	1001400	1.0421049 4.0044204 4.0601282	11915822	1 0099555	1,0715458 0.8705536	0.8705536	0,6840691
Tase-1 KC1-45	0 875F4266	1.1414986	1 14 14 986 1, 1978563 1, 185 1205		1.1354283 0.97978145	0.97978145	1.135.3022	100	707 607	1.1983622 1.061 304 1.0031 E.M. 0.7000076 0.73887765 0.61866015	73887785	0.61866015	0.90629	0.74127454
Phase-1 RCT-45	2 4400455	AR2528A	A 457538A A 45577585 0 84609616	0 84609616	0.8952073	0.9012313	0.7085459	0.7.3565276	0001000	0.000000	00,000	0 7774022	1 671252	2 4464884
Malate dehydrogenase, cytosolic	CC100#4.7	20000	0,000	4 0077047	4 E457034	2 035207	6.0762467 4.273827 4.1250467	4.273827	4.1250467	1.0163304	0,0013133	2	1	6400003
14 30 element	0.65965205	6.8535246	6.9535246 6.99/013	2.00/2007	84000000	O OCERTRA	0 5202517	0.69488984	0.6401344	0.6941226	0.7456171	0.590/6/6	1.01460030	0.0123003
20 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	0.8068884	0.5906469	0.5906469 0.63999075	1.0418088	0.3 03327.5	200000	4 E4ENTEE 4 AD45417	4 A 245A17	162581	0.982604	0.982604 0.88397115 1.1312052	1.1312052	1.1350029	2114250
TIRSOL INC.	0.78223586	1,1485858	0.78223586 1.1485858 1.0084283	1.2486354	1.3627291	1.39800/31 1.3430/00 1.4243711	200000	0 5407507	0.5545720	0.6495006	0.9049223	0.9049223 0.71526206	1.1477915	1.0392889
Appa-recorden	1 7706771	0,67945886	1 7706771 0,67945886 0,5537807	0.6351688	0.9206985	0.5793636	35083000	0.0000	0.0402048	0.0378313	0.7967408	0.8809996	1.0687052	1,1241575
Caganum b	0.81773776	0.9987003	0.81723726 0.9987003 1.0067439	1.0586871	1.0055978		0.78801/B	0.33000	000100	4 303262	1115007	1 115007 1 4238774	0.8087276	0.7465392
Tissue plasminogen activator	4 204 3834	10014521	4 DO14521 D.89281166 0.9177454	0.9177454	0.9683613	1.06002	0.6362623 0.6208123	0.6208123	0,000	0.8382823 0.8208123 0.831382 0.5347646 A 76654044 A 68847885	A TEESTONA	O GER 17RP5	1 4399964	1,641333
Prese-1 RCT-195	0 89061846		0 7515554 0 40380043 0.8051332 0.69551075	0.8051332	0.69551075	0.6823696	0.4013535	0.5531256	0.4902243	0.00247010	0 03084075	0 8933199		1,160936
Liver fatty acid binding protein	4 7877857		1 7877657 0 84577756 0 64819163 0.82985234	0.82985234	0.8888654	0.8907637 0.62638736 0.74607766 0.77967425 4.70876139 1.1978866	0.62638736	0.74607760	0.77907423	4 2007044	4 0839439	1 1978888	0.7477118	0.78364056
Alpha-1 microglobutin/bikumin predusor (Arrop)	32702765	10077001	1 14075R3	1.0190665	1,0712765	1.0446794	1.1725116	1.1080416	1.1080416 1.0214/30	1.5002	0000000	0 9585381	1 4446998	1.1914624
Phase-1 RCT-294	4 3000004	0 50424676		0.88619465	0.8202499	0.9067046 0.93119156	0.93119156	0.9404506	0.8889068		4 000007	4 0854R15	1 0557948	0.6553334
Phase-1 RCT-151	ופחתפחריו	1000000	100000	4 2016475	4 0000004 4 2016477 0 04215776	1 0302746	1,0367572	0.9698528	0.9698528 1.0666362	1,0284461	1.020027.5	ŀ	2000	And both
Dhoea.1 BCT-158	0.74841094		_1	7710475	0.000	4 0050503	4 0300238	0 9353919	0 9353919 0 99113375 1.4337856	1.4337858	1.2439082		10 B343/	0000
7 1000 100 100 100 100 100 100 100 100 1	1.40588	12531507		0.96738774	0.9351372	1.1069965 0.96738774 0.9391372 1.055555	10000	10071000	0 0047540 0 00047204 0 83631593	1 4304942	1,3207196	1,4331251	1.0458344	0.85862725
F0856-1 RO 1-221	1 3092732				0.97901237	0.9594677 0.97901237 0.99888116 0.957103434 0.95792376 0.95792376	0.321799	0.74004744	0 9307454	0.74523776	0.95565975	0.65792376	0.6980359	0.71033704
Phase-1 KCI-233	0.7832532	1	1.7612103	ı .	1.0077456	0.8430413	0.82415/06	0.74004244	0.000175	4 2833747	4 2833747 1 1878209	1 369608	0.9790733	1,2289183
Organic anion transporter 3	4 0007005		L	1,5778139	1.8503144	1.8503144 1.6198367	3,1427984 2,6413340 3,2131000	2,6413340	3213100	1400040	A907004	Ľ	1 SOR3173	1.3042926
Matrix metalloproteinase-1	2007000		ш	0.48416182		0.5594858 0.44183472 0.2012279 0.27086163 0.25410694	0.2012278	0.27086163	0.25410694	0.5360493	0.5388483 0.5301804			1 011959.
Untrary protein 2 precursor	0.733100	-1	1000000	1 5090073		1 8949147	4.0689783 2.5560122	2,5560122	2,3504655		1.2606567 1.0650627	٠.	1	
Phase-1 RCT-212	0.93942064	30/35/0		1000001	1									
(1) Gene expression data for 6 hour fineboint are						•								
presented as mean ratio of treatment/condrol for all 6														
hour aredictive genes (Table 18).										_				
(2) Compound and dose abbreviations as in Table 1.														
			1											
(3) Individual animal number														
(4) Liver inflammation classification for compound-														
does gram at 72 h; wes-neg, negrosis observed; yes-														
both, necrosis with trafammetion observed; no, no				_										
Instanathology observed														
(5) Predictive gene (as in Table 18 and as included in		_												
Table 26)														

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Table 28. Expression Data for 6 Hour Timepoint (1)	
Comound-Dose (2)	LPS 8
Arimel Number (3)	353
Liver Toxicity Inflammation Classification (4)	yes-both
Gene Name (5)	4 588317
ESTEPHENT IS TO THE PROPERTY OF THE PROPERTY O	2,851768
O COLOR	1.998253
XCIN	1.1398163
Cathonein Leasurance 2	2,0065484
	4.120745
December 100T 400	12747709
١	0.9824904
A miliant malanta trans	1323768
Diff sekmonse hete	1.3628855
DIAN purple age use	0.9464993
ritage i Noi vita	1 392015
Application of the second of t	1 2587955
Phase-1 Rot-114	1 6526421
Manager Inches of the Control of the State o	2,5921078
NOT Industry anti-polificative outsitive secreted	
modeln (PC3)	2,8348636
Phase-1 RCT-191	1.0791014
Phase-1 RCT-63	2,400022
Ovelli D3	2.3634803
Phase-1 RCT-108	0.8179527
Phase-1 RCT-56	50.688166
Phase-1 RCT-192	1.0859823
Phase-1 RCT-75	1.7049214
Acetyl-CoA carboxylase	0.7213042
Phase-1 RCT-95	0.93166834
Cystalin C	12622
┯╽	2,232,1413
Prase-1 KCI-9	1 57870Q4
Gadd45	0.0000
Phase-1 KCI-130	1 5705441
Commo	1 6490371
Maccophage inflammation protein-1 airtia	2,5032089
Wacopriege mismorally Modell Capital	2.42004
Chic miga process	0.5999307
Chifonine sufficies	1,4402163
Gludillie synucase	2 1400852
CAC-CATCONING PROCESAL	3.6428614
Prizase-1 RCI-242	2 569545
-11	1 39R342.
Integral betat	1.861072
her fin-file prowth factor binding protein 5	1,4014114
	0.8281634
Dhase-1 RCT-76	12673161
Fortin H-thair	1,4399604
Selendonieln P	0.408482
PTENMMAC1	0.5242306
Phase-1 RCT-214	0.54829186
Phase-1 RCT-112	0.693669
Thyrrich/late synthase	0.46143058
Phase-1 RCT-13	1.0316066
Nucleosome assembly protein	0.679546
Cholesterol / dipha-hydroxylase (P450 VII)	0.777265
Vestodar monoamine transporter (VMA1)	0.747.03
Prase-1 rol-zou	

	1 2272716
	0 9434693
Sooguanine Living growsynase	0.9055275
	0.33645293
CT-184	0.80475354
	0.55317867
	0.58330987
	0.7887593
xylase	0.70211387
	1.3607856
Phase-1 RCT-179	1.7305132
RCT-161	0.9114956
-1 PCT-207	0.7206125
RCT-144	1.3412372
Phase-1 RCT-225	1,6334157
ma P450 251	0.6842659
	1 27 1 22 7 4
	2,7709494
Med (itx i)	0 41000089
Andric armydrase III	0.52821296
	1 5176481
Compensarios Component Co	0.6141817
	0.3338589
CONTACTOR OF THE CONTAC	0.9935159
	0.71914285
Phoen-1 PCT-40	0,4964311
Conseque market problem 30	0.23705378
The lieuwe property	2611184
Melanoma associated antimen MF491	2,1062632
Prose-1 RCT-28	1.0913836
	0.5317436
Vicohol dehydrogenase 1	0.23452127
	0.34132013
MK1 stress activated protein kinase	0,9529335
Protein tyrosine phosphatase alpha	0.8505782
I RCT-85	1.5776507
Ubiquitin conjugating enzyme (RAD 6 homologue)	1.857328
odsomerase I	1.6161628
Phase-1 RCT-280	0.9014244
Superoxide dismulase Mn	2/8/2
-tubulin, class i	1.3606906
Carbamyl phosphate synthetase I	0.5134304
Diacylglycerol kinase zeta	7,000
1 RCT-141	4 5407405
14-3-3 2003	1 940018
Observational 1134	1,5530978
	1.3574182
-1 RCT-65	1,614605
	1.25045
Protein O-mannosythansferase 1 (Pornt1)	1.269315
OA reductase	1 1055735
nterferm related developmental regulator IFRD1	
	1.4814252
Glucose-regulated protein 78	2.606774
3-beta-hydroxysteroid dehydrogenase (HSDSB1)	0.590470
Caspase 6	48 98338
1 KCI-169	1 24747
(S)	

	1 5678083
msde	1.8940941
1 RCT-288	0.46658143
	5.0675073
Cytochrome P450 2C39 (alternate clone 2)	1.2018036
Phase-1 RCT-260	1.8972265
Methylacy-CoA racemase alpha	1,4112136
	0.85475254
	1.4239218
Monoamine oxidase B	0.88664174
divated recentor camma	0.36507794
	0.97239995
	0.8734724
	0.62861556
Glutathione S-transferase theta-1	0.64593244
	0.74337233
	1.0775359
Activin receptor (type II	1.2258295
15	0.58525884
Phase-1 RCT-281	0.6371715
Ciliary neurotrophic factor	1,030000
1	0.35682
Phase-1 RCT-96	0.42465898
	0.7561602
Keunor-origing protein (Nor.)	0.7138620
SI.	0.9847982
Stathmin	0.71001995
Phase-1 RCT-145	0.8149781
Akin Place 4 BCT 80	0.01624827
Saccolasmic refiguitm calcium ATPase	0.8204625
sednenc	1,429218
Phase-1 RCT-204	1.3370055
Vascular endothelial growth factor NATIO descripting proving dehydrophase (pubsolic	1.184115
	0.39178082
protein inhibi	0.41138396
Gutatrione S-transferase Ya	0.7 1290144
Insulin-like growth factor I	1.0321639
Prostaglandin H synthase	1.1223301
Phase-1 RCT-136	1.2653257
Phase-1 RCT-138	1.0430855
Hepatic Boase	0.89394796
Phase-1 RCT-164	0.6547884
휢.	0.8645032
Cartrainione S-dransterase Y02 Subunit	0.93670774
Phase-1 RCT-166	0.9404447
Apolipopratein E	0.76939094
UDP-glucuronosyltransferase	1.1627775
Gluathione Stransferase P1	4 3454744
Ribosomal protein L13	1.0555559
Cerulopiasmin	3.4815764
Inter-alpha-Inhibitor H4 heavy chain (Ith4)	77/5181.7

Phase-1 RCT-3	1,2275816
	.00001
a debudence	R2667965
2	1 1371635
Dhasen 1 BCT-10	0.5806033
) microcholin	0.97446007
	0.9794712
	1.0103565
	0.5656986
	1.362892
	1.5141633
Phase-1 RCT-42	0.8229953
	0.9411479
Wochrome P450 2C11	5.632043
	0.999667
(1)	1.1942462
ntigen gene	1,4535215
Activating transcription factor 3	0.74316067
	1.722.333
	0.6663647
†	3.941/250
tron-responsive element-binding gratein	2 450555
	1,105186
Phase-1 RCT-83	0.784247
	38047826
Colony-stimulating factor-1	1.1140326
	1.0562785
	0.62903595
Phase-1 RCT-22	0.6459659
	08684843
Dissert RC 1-10	1.0576805
	1,1086546
ative nitrobenzyithioinosine-sensitive	
	0.59748036
Glucose transporter 2	0.42558/6
Mulidrug resistant protein-2	1 2634549
Mulliaring resistant protein-1	1 372212
Priospriatoyleuranidamine Landing Process	1.0462857
Independent Marian	1.1212734
NADPH executance P450 exidereductase	0.8894487
Waft	1.0160923
Endogenous retroviral sequence, 5' and 3' LTR	1.6950898
Phase-1 RCT-53	0.7273761
Phase-1 RCT-54	1.2131839
Phase-1 RCT-240	1 0155452
Creating anion transporting polymentide 1	0.50004977
	2,7665603
Tissue factor pathway inhibitor	2.7338066
ibitor P27kip1 (alternate	
	1 2334256
Phase 1 BCT 39	1.871830
	0.7501078
Phese-1 RCT-113	1,39617.
1	372755
Alpha-1 acid glycoproteln	35,53995
MHC dass II amigen KI 1, 6-1 Deta-diam	0,336 126

Organic cation transporter 3	1.463791
Hypoxia-inducible factor 1 alpha	0.79341966
Phase-1 RCT-43	0.540452
Phase-1 RCT-45	0.371952
Malate dehydroenase, cytosolic	0.841846
VI30 element	2,802894
Phase-1 RCT-189	0.87653
Ainha-fetocratein	1,446147
Calgrangin B	1.012864
Tissue plasminogen activator	1,05460
Phase-1 RCT-195	0.7753224
I wer fatty acid binding protein	1.129739
Airha-1 microdobulin/bikunin precursor (Ambp)	1.084661
Phase-1-RCT-294	0.8320676
Phase-1 RCT-151	1.394442
Phase-1 RCT-158	1.148011
Phase-1 RCT-221	0.982209
Phase-1 RCT-235	1.09427E
Organic auton transporter 3	0.614844
Walry metalloomeinase-1	1.328947
lithany moteln 2 precursor	0.9674132
Phase-1 RCT-212	1.04002
(1) Gene expression data for 6 hour timepoint are	
presented as mean ratio of treatment/control for all 6	
hour predictive genes (Table 18).	
(2) Compound and dose abbreviations as in Table 1.	
(3) Individual animal number	
(4) Liver inflammation classification for compound-	
dose group at 72 h; yes-necr, necrosis observed; yes-	_
both, necrosis with inflammation observed; no, no	
histopathology observed	
(5) Predictive gene (as in Table 18 and as included in	_
180K 20)	

Table 29. Expression Data for 24 Hour					-						_	
eporiu (I)			1		†					·		
	7	1	1	Ī	T	Ş	2 511 50	F. El So	051152	APAP 250	APAP 250 A	APAP 250
Compound-Dose (2)				5-FU 13	3-FU 13	1078	25	935	938	1	52	2126
Animal Number (3)	1644	1645	1646				-				00	
or 1 oxicity impaintation Classification (4)		2										
Gene Name (5)						000,000	203300	4 0400000	0 9076847	0 0848335	1 032798	1.0409787
Gamma-actin, cytoplasmic	1.234655	0.89763516	1.0834413	0.88296854		1.3651266	1.1413333	1 1361777	1 2261806	-	0.98509234	0,9777477
Phase-1 RCT-145	1.1349468	~	_ 1_	1.0736063	_	0.92691643	9800380	1 3720501	1 0139263		0.9542578	0.9179477
Gadd45	0.9991312	_	0.0	12120412	1,4246304	-	→	9057750	0 9308587	0.9203526	0.9098523	0.86615974
Phase-1 RCT-78	0.98064323	4	_	1.0376032	0.0705074			1.1208655	1,1012806	1,5384216	1,3954457	1,8575236
	1.2969109	1.0780027	┙	4 4824/82	4 4777708	1 6081469	1 050757	1.3891182	1,4428144	1.1066924	1.0778382	1,208523
Macrophage inflammatory protein-2 alpha	1.0204061	_		1.1021002	4 0074783	٠.	0.96892273	1,295391	1,2332006	1.2903486	1.2740508	1,3898692
ntegrin beta1	0.9959797	۲,		1.1494990	4 020762	-	1 8437409	1.9543331	2,3668187	1.1815271	1.1913304	1.1588718
Phase-1 RCT-207	1.123396	4	1.087301	70703170	19	0 7646784	0.8010431	0 7106993	0.841726		0.81655246	0.96196043
Aspartate aminotransferase, mitochondrial	1,0334517	4	<u>L</u>	4 9407464		2 210025	1 1210321	1.2331827	1.0975105	1.1707867	1.2062446	1.2835386
Casein-alpha	0.95898557	4	_1.	1.3407404	4 4467503	4 A703268	1 0779711	1.4873478	1.3434615	1,1185155	0.99244964	1.0903041
Malic enzyme	0.94202816	4	_	1.2300/ 10	4 2000 402	0.3006.0	1 0150489	1 473054	1 0887899	1.0114492	1.1476177	1.3196821
Phase-1 RCT-30	0.97342217		4	1.3021/74	7050407	4 5557403	4 0827458	1 224868	1 0916853	1,1703291	1.2434667	1.171715
Hepatocyte growth factor receptor	1.3389288	4	4	1.2349041	0.00049000		0.85718745	1 0985358	0.90534127	0.9758264	0.9617103	0.95272803
MAP kinase kinase	1.0824237		4	0.8540512	_		0.031 101 TO	0 6030681	0 8464226	0.5893806	0.9030097	0.708357
Sodium/glucose cotransporter 1	0.51595306	_1	-	0.6784013	1.0000777	0.7843034	0.0707859	0 62349147	0.5567853	0.6651117	0.65771854	2,1333268
Phase-1 RCT-27	1.5090299	4	미	1,2930/13	4 4055904	1 54008001	4 1319918	1 1666703	1.1848195	1.0551788	1.089631	1.103832
Phase-1 RCT-50	1.0811491	_	1	1.5162168	0.000000	0 774 5820	A803150 A	0.82325786	0.875704	1,1178906	1,1181488	0.8020558
Ise-1 RCT-192	1,1132158		0.9692047	0.6722470	_L	0 7408214			0.82015973	0.7995217	0.83820805	0.76336026
Phase-1 RCT-288	0.79123554	79123664 0.8018341	1	_		1 2430218			0.9541688	0.947503	1.0052108	0,94906
Phase-1 RCT-37	0.890130/	0.92342931	┸	1 107976	_	1.0156827	<u>L</u> .	1.1952068	1.0582124	0.7761408	0.85632396	0.8057378
Organic cation transporter 3	0.36723004		0.9421652	0	0	0.7249129	0.9687549	0.8730169	٦	0.8307589	0.8993789	0.7420199
6US mosoural protein Lo	1 1231229	٠.	1,0070511		_	1.0132923		1.0754057	1.1371926	1.0537328	1.0233865	1.15/550/
Coloradillo 82	0.8940242	0.8996915	!	1.028973	0.9400796	1.0895544	긔	1.155073	1.0224754	1.1632859	1.2424307	1.0932004
D-1	1.2034271	Н			0.91022	0.84051377	_		1.215396	1.03/0304	0.871622	0.8555691
se-1 RCT-92	0.75784415	Ш	_	٦.	0.864412	٧,	Ц.	0.72233000	Γ	1 5123701	1 3967755	1.3558934
Phase-1 RCT-115	1.2405229	4	_	4		1.6067.73	1 0522085	1 06837	1 2039248	1.2915198	1.3863662	1.274342
Matrin F/G	0.97443837	1.1004952	4 4205448	1 3505458	ľ	0.9161042	ļ.,	1.2675248	L	0.9867914	1.022286	1.1453409
Mutt. homologue (MLH1)	4 0509338	15			┺	┸-	ட	Ш	Ц	1,209992	1.2360295	1.1634586
356-1 KCI-79	1 5045861	-	┸	_	<u> </u>	<u> </u>	1.1775827	1.0894668	Ш	1.102056	1,1835359	1.1087711
Sorbitol denydrogenase	1 1057718	┸	1		1.31524	_	1.2476442		_	1.2104003	1.2700951	1.232263
Prisses No24	1.0716254	┖	┸.	1_	1.2425723	1.160517	- 1	_	4	1.2212865	1.2214321	1.1336489
Flooration factor-1 alpha	0.7427184		9 0.85446733	0.77340794		의	_1.	_	1	4 0050704	4 208565	4 0625885
L-quiono-gamma-lactone oxidase	1.035266		_	_	_	-	1,2213012	0.050484	0.9710730	_L	1 072374	0.8960295
ase-1 RCT-33	1.0367855	٧,			1	0.807/08.0		4	1	0 98352516	1.0151979	0.97197485
un-o	1.1744986		4		2.1130347	_1_		1_	1.		0.9750328	0.93133354
Phase-1 RCT-233	0.63198084	_	4					┺	9		1.096263	0.90250343
Phase-1 RCT-36	1.0628756	4	_	1	1	4	┸	Ļ.	_	1.1248877	Ĺ	1.20148
Phase-1 RCT-242	1,0861074	4	Ĺ	1.36//05/	1.1097107	1	L	┺	L	1 0151833	_	0.92262983
Phase-1 RCT-181	1.1259185	_		1.03/5159 0.911/1145			4-	L.	上	ᆫ	0.7464	0.7109049
ase-1 RCT-185	0.7249858	3 0 87013543	7 0.6333102	Ľ	_	+	1_	0.831642	0.91087025		Ц	0.8235564
Phase-1 RC1-1/9	4 0014209	_	4		┸	┺	1.1220856	,	1,2151898	_	_	0.9596442
Phase-1 KCI-144	0.0041280		┸	1	12	0.8052953	1 0.8794727	0.82248455	0.8824672	0.8367836	_	0.9953012
IKB-8	1 5410785		1_		-	<u>_</u>	1.1515332		Ц		4	0.915002
60S ribosomal protein L6 (atternate done 1)	╄		<u> </u>	-	7 0.760862	0.80278474	1.0141122		0.8916913			0.6320133
ta-troulin class l	1.345743	3 0.85662943				1 1	1.3852527	ш	LL	1.1870043	1,374863	1.1042604
Middle meiotod omfolo-2	0.8078203		1 0,71125543	3 0.90337217	7 0.93813914	1 1.0345547		1.6298143	1,201/18.1	-	1	1.100064.

Obsect DCT 40			L									
Calculation Do	0.9144408	0.9921536		1.0697739	1.1442828	1.0990219	1.0087235	1,0197467	1.0847362	0.9250758	0.9791626	0.88589704
Cargination Do	1.15/2421	1.0405387	1.0764239	1,0014594	0.8347457	0.89192986	1.1561885	1.1128368	1.1354781	1 1243172	1 0841923	1 ORADBRG
NAUF-cependeri isocitato denydrogenase, cytosolic	0.9481888	0.90999603	0.90336144	0.7769579	0.79706746	0.7661045	0.80742747	뜨	0.71696216	0.8255751	0.90267307	0.8192186
Octamer binding protein 1	0.91724386	0 92M3RGS	0.8733505	4 2070048	4 004 4204	4 5000000	000000					
Sodium/bile acid cotransporter	0.6770603	0.8037157	_	0 777383	73822844	0.57470465	0.8484123	1.1772048	0.8329273	1.023454	1.0077437	1.1512667
Phase-1 RCT-174	0.9596845	0.9398725	1.0758125	1 1908269	1 180268	4 4467848	0.0441043	0.6426185	0.7971108	0.6944278	1.0847414	0.6077975
Phase-1 RCT-77	0.8570215	0.92044246	0.9218703	0 8254482	0.7166049	0.00063433	7606400	10000000	0.9838087		0.9888674	0.7244774
Inositol polyphosphate multildnase (Ipmk)4	0.87777467	0.680146	1	0.87534767	0 7854723	0.09303133	0.740349		0.8494135	-	0.93326104	0.74669534
	0.8256394	0.756739		0.9216274	1.121024	1.0076169	1 1053487	1 0199891	0.7676037	1 0004044	4 4070627	4 0554545
Equilbrative nitrobenzylthiomosine-sensitive	0.87766853	0.8876054	0.76603365	0.8887283	0.7155098	0.8258019	0.80524725	0.82457525	0.6647123	0.87858525	1 0180075	0 9749414
nudeoside transporter	,,,,,,,,											
Dhare 4 DOT and	0.941/614	-1	0.9670925		0.99694115	0.89681878	1.1245929	1.1245929 0.91689503	1.0394915	0.9491674	0.9276214	0.8579424
FIRSE-1 RC I-209	1.0279475	1,0639291	0.89998275	1.1296612	0.98090017	1.0506748	0.9152064	0.9846688	0.9260227	0.9278562	1.0387601	0.8749207
NAUH-Cycochrome bb reductase	1.1483486	1.0599592	1.040206	0.86064583	0.78812057	0.9237816	0.6322433	0.63205858	0.6052908	0.7970038	9080860	1 1403513
Dynamin-1 (D100)	0.7341691	0.81723255	0.8457148	1.0695996	1.0328438	1.0394361	0.95772314	0 9478024	1.0657479	┿	0.00076587	0 0000000
Senescence marker protein-30	0.6908734	0.761073	0.761073 0.83395416	0.7876478	0.8078276	0.92619824	0.81382763	0 70924735	0 738421E	_	0.592/030/	0.70004040
Phase-1 RCT-89	0.87097067	0.92505884	0.9641894	0.887008	1.0033853	0.89246536	1.0670309	0 9204272	1 0794688	0 0705494	0.0325000	0.132002
Camitine palmitoyl-CoA transferase	1.558981	1,465659	1.3855755	1.2183829	0.97316194	0.86989874	1 0125918	1 1405744	4 022327	4 0605724	4 40,450,45	0.03401/03
Alpha-2-microgrobulin	0.9287466	0.9014	0.71943134	1.007066	0.55673		0 8200R043	0 74104848	4 4094200	1.0000221	4 00005	1.01040
Apolipoprotein Cili	0.8926475	0.875975		1.0087755	0.6908777		0.973687	0.77204003	0.064.30008	0.07 10273	2000000	1,000000
Cathepsin L, sequence 2	0.6737198	1.0427825	0.70134217		0.92515635		O ROZOGRAG	A BONGO A	0.00123000	0.01010	0.542310	1.000000
Phase-1 RCT-141	1.1970402	0.92986065			0.6040094	0 57757884	0 75378385	0.020020	10000000		0.0332200	0.00438
Phase-1 RCT-289	1.1160775	1.0622267	1.1212038	12305356	1.165018		1 2040888	0 03403045			0.00024100	1.0030469
Endothalin-1	1.1317997	1.1354519	1 148341	1 4562573	1 2271682	-	4404044	4 5646200	-		0.9041/334	0.7493730
Phase-1 RCT-282	0.97043765	0.95380574	1 0218076	4 4782887	4 4000253	1.4340017	1.1 (89.217	99791667	1.4121853	1.0174042	0.9297689	1.1654278
Phase-1 RCT-140	1.1096829	1 065817B	1 0707936	4 0745947	-+-	1.0030232	0.8835439	1.3558435	1.0104868	1.0577534	1.1784245	1.1429415
Cyclin D1	0.8342038	0.81300878		72440067		0.976/6816	1.0255075	1.0664363	0.9985188	1.0813783	1.1357664	1.0175263
Phase-1 RCT-287	0.973105	0.9785731		0 8496899		0.17135247	0.9250639			0.5053428	0.6734522	0.62602526
Phase-1 RCT-281	0.8378438	0.9524888	-	A 80757A0A	0.00020000	0.7000 103	0.0002419	-	٠.	_	0.9062662	0.9680621
Retinol-binding protein (RBP)	0.7957489	0 9018016	-	707007	0.003/3/		1.0895633	1.0939894		-	0.88192254	0.85300785
ATP-stimulated ofucocorticoid-receptor	0 7808202	0.2010010	d.	0.000000	0.0034723		0./4854535	0.6588803		-+	0.89540595	0.6831166
noter (Gyk)				+CESCSON A	0.817.000	0.763943	0.8660634	0.8545556	0.9719116	0.7336952	0.9426339	0.78066325
Phase-1 RCT-60	1.1408002	1.0694015	1.181528	1 0377604	1 02054ER	4 0004708	0.0040000	0 0500 140	00000000	7,7,7,0,	-	
Pyrtvate knase, muscle	0.75984114		0.81118107	1 0383656	4 9005344	4 2607402	4.4000044		0.90860823	1.041147	0.9957097	0.8507546
PAR Interacting protein	1.0212445		1.068352	1 0239652	1 0720178	0 0720404	1.10030/3	1.0023021		1.2455558	1.1347631	1.2077923
Nucleoside diphosphate kinase beta isoform	1.1012578	1.1012578 0.96142465	1 2050774	O TRYDOA	0 102000		00/00/03		_	0.97882134	0.9999228	0.8972472
					- COCOCO		0.97 AUSSAD	0.78922333	0,86385155	1.0197171	1.2286636	0.88940886
Gadd 153	1.0656637	1.0819016	1.1014409	1,3004087	1.1418839	1 2355GRA	1 1323304	4 3045834	4 9789409	1 2000001	4 0004 9050	4 0000 440
Insulin-like growth factor binding protein 1	0.8385347	1.01372	٠.	_	0.85846487	0 7818740	4 4400020	_	200000000000000000000000000000000000000	1177777	1.0213020	6167007
o-H-ras	1.2052535	1.0465447	_		-	0.97972584	1 3330578	-	4 24 20 20 24	4-	1.1/2003	1.170071
N-hydroxy-2-acetytaminofluorene	0.74152935	0.75263107	-	-	_	-	-	-	0.59261674	-	0.9681484	0.8355604
Sunotransferase (ST1C1)											1	-
Present RCI-62	1.116298	1.053266			0.86951476	0,95001805	0.77580976	0.6392579	0.48724942	0.74855775	0.96269655	0.9482798
Stem Confessionalis 2	0.6311194	0.5582825		0.62807304	0.587337		0.8073888	0.6584054	0.8384187		0.69292647	0.6857092
Omerate entire tenegraphics	0.830790	0.7313282	-	0.7268592	0.746314		_	0.67992514	0.7622097	0.9517428	0.9354413	0.8584288
Colorandia BA		0.9852118		_	0.9527009	1.3286465	0.71043843	1.3038136		1.2156521	1.1630347	1.1539832
Dhase 4 BCT 482		0.95386194	-4	_		=	1.1081185	0.84632903 0.64860183	0.64860183	1.081729	1.2471573	1,2982978
Colomonillo Bo	0.6723214	_	_	0.9838916	0.7504907		0.83090246		0.98203805	0.9656007 0.73146576	73146578	0.771692
Aldehole dehydrocenses microscond	0.73589835	_	_	1.0402368		-	0.9413737			0.9325683		0.77419746
Dhose 4 Der 420	1.18346//	1.1346823	-	-+	0.9138298	0.914008	1.080652	0.9089831	0.87688375	0.8556882	L	0.84878623
Phase 1 PCT-402		0.7403402			0.73218185		0.89893454		1.0062159	0.9543832	0.9381317	0.8103129
Prematrimic compact	0.8053056		4	-	1.6769581	1.6983763	1.5027566	0.9443657	1.0775381		L	0.52592146
Anolinonmien Alf		1,00400	_	-	0.65099865	-4	_	0.61445105	0.7868994	0.6698308 0	0.71367526	0.7134924
Phase-1 RCT-10	0.8729773	1.400468	1.240946	0.7773237	0.9490607	1.0148083	0.8767614	0.8602722	Ц	ш	1.1967999	0.9195287
Phase-1 RCT-48	1 0022433		_	1.9040070	0.8772284	0.7463327	-	_		4	1.0062602	0.9002192
Phase-1 RCT-8	0 7489273	O 7697985	-	0 76554204		_	1.4895482	0.90479887			4	1.0349641
	0.17004.01	0.1 431 9001		1,700012341	0.6615986	0.71135217	0.85847641	0.8584764 0.62754875 0.81105258		0.7372578	0.8237222	0.71530443

				н								
Present RC1-168	0.9633163	1,0550569	1.3160962	1 0629405	0.94424903	1.005/1/3	0.862/0745	0.6350137	0.7324103	0.6056439	0.885012/	0.8373817
Beta-alarine synthase	1.1550228	0.78985466	0.7295685	1.0231899	╌	-	1,6919533			0.50180906	1.0281662	0.8386612
Phase-1 RCT-296	0.8661627	0.7406203	0.8728151	0.646161	-		0.63034385	0.51189524	0.5849822	0.719744	0.9032642	0.7253511
Carbonic anhydrase III	0.8394085	0.8661759	0.73521274	0.9730505		0.41776767	0.6849998	0.59371734	0.938281	0.8307031	1.0554777	0.59850454
Phase-1 RCT-291	0.79555684	0.8378552	0.68711513	0.9241879	0.99999994		0.90080816	0.80651285	0.77719104	1.0751426	1.034983	1.0876949
Carbonic anhydrase III, sequence 2	0.819174	0.74442303	0.6056919	0.8441896	0.6377293 0.75028534	0.75029534	0,73197657	0.5258371		0.53278214	0.8351639	0.6939013
Phase-1 RCT-271	1.0047202	0.8360211		0.96941008 0.729557	0.72855775		0.84782904	0.7969024	0.8014067	0.8345232	1.0360738	0.8981077
HMG-CoA synthese, mitochondrial	1.2631849	1.2967528	-	0.6571258	1.1286097 0.65804446	_	1.1098721	0.8936873	1.1443336	1,3146018	1.4285839	1.3280648
Phase-1 RCT-189	0.957172	0.98133326	_	0.8603199		1.0071	1.1807938			_	0.8260672	0.7520856
Phase-1 RCT-40	0.8138789	0.7989445	_	0.8024294 0.87071044		==1.	0.78431313			-	0.8847627	0.7283569
Urinary protein 2 precursor	0.80248195	0.6290388			_	- 1	0.86865324		_	-	1	0.50842285
Parackonase f	0.6920878	0.72829336	-			_	0.7127779		0.66964525	0.56396264	4	0.68933594
Liver fatty acid binding protein	0.8225945				1.1298586	_	0.8121429	0.6958508		0.74879414 0.95355386	4	0.63347596
Presentin-1	0.6789618	- 1	-	-	0.55854707	_	0.82082194	0.6623/68		0.33/04036	4	0.54814083
Phase-1 RCT-38	0.8092122	0.7337164	_		_		1.1336697	1.0868694		_	4	1.0345111
Phase-1 RCT-270	0.6942322	0.7076541	0.80385333		-	-	0.97278535	_		-	_	0.85967404
Transthyretin	0.5051306	0.56402487	0.5808367 0.72530854	0.72530854	-		0.8205499	0.5872653	0.6551925	٠.	4	0.57489645
Hepetic lipase	0.9425939	0.6856935	1.6810079	0.5968204	0.723527	0.81249857	0.6973803	0.58099898	0.61249775	-	0.82671416	0.9853741
Cytochrome P450 11A1	0.8398606	0.90938383	0.6932989	1.1280893	1.022774	1,596646	0.9658779	_	-	0.7251177	1.0846177	0.7975737
Phase-1 RCT-175	0.911961	0.9713865	0.7827949	0.6562268	0.6562268 0.82817826	0.8211979	0.7973594		_	0.90379137	1.0198999	0.75375384
Phase-1 RCT-117	1.1647296	0.8430245	0.79524195	1.1680948	1.2766598	1.134663	1.5469552	1.1515244	0.93173796	0.5392493	0.984865	0.907024
Phase-1 RCT-137	0.8303145	0.6784075	0.84291667 0.80377877	0.80377877	0.7698091	0.7706092	0.91290796	0.78663244	0.9301438	0.7139007	0.7273785	0.6056705
Melanoma-associated antigen ME491	1.0375177	1.1374773	0.8617728	0.92368	0.8712776	0.7646829	1.0675931	0.9731291	0.9615104	0.9180655	0.96076727	0.8656814
Phase-1 RCT-12	1.0551718	1.036269	1.1493162	1.0201974	1.3652276	1.0644789	1.1844039	1.1514084	1.256103	1.1918987	1.1572877	0.89454657
Phase-1 RCT-152	0.9330756	0.7658373	0.8526723	0.7580634	0.71532017	0.8203859	0.9404895	0.8495509	0.9490785	0.7835439	0.8992117	0.7232087
14-3-3 zeta	1.2469954	1.3013403	-	0.89583373	0.8736256	=	1.0852953	1.1281042	1.1210417	-	1.2755212	1.0667768
P450 2C23	0.6786962	0.9534382	0.64099205	0.7774913	0.83079904	-	0.96841174	0.50156045	0.7325902	_	0.81640537	0.6881204
Voltage-dependent anion channel 2 (Vdac2)	0.9571786	0.8118678	1.0094142	0.8923158	0.9450644	0.9203633	1.1216207	1.0286902	1.0815953	1.1734005	1.2867525	1.0849984
11, 100	1 404600	700000	0,00000	0,000		0.00000000	0000000	20503000	0000000	0.0000404	4 0234400	0.07040748
Phase-1 RCI-154	1.1245887	15/8009.0		1.01/6849		0.9908/624	2,080303	4.00440423	2,00262	4 4970300	1,0001400	4 02008
Superoxide dismutase Mn	1.1324/32	1.144304	_	0.00492310	202018.0	0.904/2000	1.078281J	1.0041832	1.0214/40	1.13/0399	1.1304332	1.02000
C-myc	1,2556394	0.85/3229	4.07034374	1.503/686	1.34023/8	1.31300//	1.1048532	1,3550636	1.1319816	1.203491	0.00954883	0.85585775
Phase-1 RCI-196	1.2328483	1.1883028	1.0703132	1.1309027	4 0022766	4 55300	1.1090000	1.0402103	1.005277	-	4 0588343	4 000870
Cyclin G	1.2350241	1.2708237	1.3522100	1.4034388	1,0833233	1.33303	2.3034300	1.0/039	3.727 1901	1,000,000	1.0300213	1,035013
Calgrandin Bo	0.97845966	1.0351458	1,050656	1.1635/4/	10.862/85/	091202.1	1.07/4025	1.1023390	4 1478073	0 0408433	0.8760809	1 0271506
Diese 4 Bort 505	4.05000	4 4200370	4 22607700	4 4 9 5 4 5 7 7	4 2240502	4 4304432	10103885	0.07274848	4 1110434	0.8788002	0 0132482	0 0377783
Dheer 1 Det 60	1,000000	1.12003/B	1 0484708	1 0247475	0 00302647	1 0303570	1 0164388	0.90214045	0.92020	4 2555004	1 3145684	4 1844B7B
Caenses 3	1 034444	4 0007816	0 00061708	1 254826	4 1462310	1 6913805	1 0513469	1 8147318	1 2510104	1 2326354	1.3819171	13303808
Aloha-bibdio	1 2883369	0 9853587	1.3188455	1.052247	1.0081174	1.0321853	1.0056692	1,1253798	1.0176098	┿	0.97362614	1.1213952
Ribosomal protein L13A	0.9291038	0.8786943	0.9376202	0.7629735	0.8454066	0.73744124	1.0712138	96902660	0.8033389	٠.	1.2298342	1.1284492
IqE binding protein	0.91219157	0.8083094		1.0531306	1,224349	1.3156986	1.0154625	1.0802361	1.0328445	1.0943258	1.096537	1.0439243
Phase-1 RCT-39	0.9256676	0.973714	0.9036931	0.98088855	1.0840786	-	0.99811697	1.1593198	1.0193778	1.1706781	1.0454218	0.95068365
Cofilin	1.0454941	0.96250916	1,0086012	0.8766813	0.8280717	0,9322122	0.979426	0.835503	0.94339854	0.85271233	0.830896	0.91321397
Нете охуделаѕе	0.85599554	0.81074923	0.7697256	1.0312041	1.0437711	1.4447311	1.0176487		0.81856998	1.1482412	1.2556607	0.9316276
Phase-1 RCT-241	1.2400453	1.2443434	1.2229478	1.1740458	1.0846578	0.9436349	1.0631747	1.1138122	0.96058524	1.0045639	0.9200067	1.153423
Ribosomal protein S9	0.98796266	0.7876066	1.0765914	0.7437902	0.695443	0.695443 0.75590146	0,7701294		0.77275145	1.0753275	0.9525019	0.9957287
Phase-1 RCT-258	1.0452662	1.0501314	0.9829971	1.0678148	0.9378324	0.8536871	1.1425503	0.9913303	1.0752094	1.0369308	0.9895516	1.0010142
Argininosuccinate lyase	1.1025302	1.2026094		0.8724884	_	0.7849556	1.1032883	1.1032883 0.80426174	1.0600874	1.1295489	1.135157	0.86693156
Phase-1 RCT-180	1.3548789	1.0220557		0.87028843	_	0.89218676	1.284046	1.0138234	0.6948993	1.0824504	1.05/4/4	1.0474179
Multidrug resistant protein-1	0.8336811	1.4127753	_	0.88922524	1.0112568	0.8697436	1.062138	1.650949	2.2784832	1.3464178	1,2392595	1.3891298
Ornithine decarboxylase	1.6540791	1.2079552	1.5588424	1.315074	1.0189186	1.0996697	1.1511778		1.3840773	1.9487185	1.8499516	1.7758799
Thymosin beta-10	0.9876697	0.86301243	0.9579362	0.8263573	-	0.83996403	1.0476573	1,0547793	0.90799844	1.0283252	1.0723436	1.0575863
Phase-1 RCT-72	0.9479011	0.99276537	1.0133151	1.202419	1.0749412	1.5916219	1.0047745	1.3980849	1.0493258	1.1065431	1.1870025	1.0982953
Phase-1 RCI-109	0.9298786	0.9429688	1.0163127	0.7688204	0.93337446	0.7531865	1.0760506	0.85743914	0.9456841	1.1042105	0.02020	1,030310
Phase-1 RCI-76	0.9742051		1.12/04	0.7734522	0.80/2726		1.02/3544		0.99223670	-	0.876372	0.833333
Vacuole memorane protein 1	0.8555559	0.87821166	0.93230634	0.808522	0.71103101	O.715316 0.80018735	0.812/5804	0.7811044	0.65604560	0.7110070	0.700020001	U.Souksani

Phase 1 RCT-158	1 1178502	1 1400ARR	4 027RA22	1 2747244	1 0704782	4 403748	4 06138441	4 2350208	4 2446469	4 420402	4 0247054	4 242650
	1.2044135	1.1899867	1.08335	1.08335 0.8808846 0.87537503	0.87537503	0.822413	0.822413 0.9948914 1.1273192	1.1273192	1.1129211		0.90921338	1.1315854
Endogenous retroviral sequence, 5' and 3' LTR	0.90260875	1.1204435	0.9442034	0.9442034 0.92982394 0.97217214	0.97217214	0.8393259	0.8393259 0.99506456	0.9160741	1.2891484	1.5841322	1.2960659	0.95238554
Beta-actin	1.1125833	1,0069311	1.080633	1.080633 0.64210916 0.7735134	0.7735134	1.0292419	1.0695546 0.96721196	0.96721196	0.919635	3.0672295	2,4768662	2,7791693
Phase-1 RCT-65	1.1814723	1.3648194	1.0991114	1.0991114 1.1430959	1.4789107	1.6424018	1.2501326	1.378758	1.3046662	1.5337906	1.5226179	1.3918132
MHC class I antigen RT1.A1(f) alpha-chain	1,8905007	1.8041407	1.5425627	1.4040811	1.8820783	1.344825	1.619809	1.5000522	1.6659971	1.4504156	1,4430915	1.2989323
Bax (alpha)	1.2416624	1.1744834	1.2701218	1.2928851	1.418582	0.908126	1.8201531	1,6742516	2.4587035	1.295488	1.1407483	1.307053
Carbonyl reductase	1.1883883	1.2043815	1,2608972	1.4120765	1.0944185	1.1135831	1,0254887	1,421894	1.1156356	1.120373	0.97379875	1,2524985
Beta-actin, sequence 2	1.0014653	1.0014653 0.97430295	0.9769427 0.87458444	0.87458444	0.926052	1.1551962	1.2245715	1.1224312	1,086517	1.1413021	1.0439515	0.9896563
Interleukin-10	1,1216725	1.254464	1.3264883 1.1384859	1.1384859	1.1012089	1.0793698	1.1377833	1.4719772	1.2667551	1.1464108	0.9862316	1.1564549
Phase-1 RCT-191	1.589339	1.589339 1.4355308	1.5240867 1.0897073	1.0897073	1.4454972 0.9717998	0.9717998	1.1388346	0.9875454	1.1399181	1.2239399	1.1713823	1.0227512
Phase-1 RCT-111	0.7822171	0.7822171 0.95418006	1.0452079	1.0452079 0.77953297	0.9978218 0.83093584	0.83093584	1,0569357	1.0135723	1.0650833	1.1545427	0.8922822	0.9888597
Apoptosis-regulating basic protein	0.7759487	0.780832	0.780832 0.81873506	0.7204664	0.6217704	0.6724481	0.777307	0.6480623 0.73910743 0.77485347	0.73910743	0.77485347	0.9720474	0.55588776
Gtutathions peroxidase	0.6769063	0.65703404	0.785112	0.9431503	1.16382	0.7008514	1.1611571	0.86370873	1.1223497	0.6740364	0.81503534	0.6126363
Phase-1 RCT-239	1.1428587	1.1938224	1.1353062	1.0183517	1.4855719	1,4244561	1.1483557	1.1877072	1.2254268	1.2677562	1.342256	1,3076787
Phase-1 RCT-67	1.0193092	1.1001234	1.0934472	1.168928	1.3054965	1.1444077	1.0319359	1,0215569 1,0574994	1.0574994	1.0352181	1.0410132	1.0275089
Tryptophan hydroxylase	0.9329787	0.9329787 0.79403496	0.8709495	1.0702993	1.054945	1.1008468	0.9113026	0.9113026 0.9118482 0.82741314	0.82741314	1.067523	0.9589205	1.0665134
Sulfotransferase K2	0.873993	0.873993 1.0470493	0.5689403	0.5689403 0.86200535 0.79965055	0.79965055	0.6406289	0.6406289 1.0241911 0.65814805	0.65814805	0.550812	0.550812 0.9945949 0.99977684	0.89977684	1,1242639
Calgranulin B9	0.8102092	0.8102092 0.99909157	0.9462306	0.9462306 1.0785139 0.97471005	0.97471005	1.0081893	0.92071325	1.0081893 0.92071925 0.8544689 0.8532857 0.98002946	0.8532857	0.98002946	0.8722868	0.8165182
Phase-1 RCT-123	1.0235242	0.9633438	0.9743514	1.0897603	1.004225	1.1684424	1.1684424 0.9645892 0.91046908	0.91046906	1.0329788	1.0329788 1.0294486	1.0414743	1.094004
Phase-1 RCT-98	0.99894196	1.0233536	1.0636278	1.0454515	1.1628534	1.2445619	0.9961634	0.9124932	0.9529502	0.9529502 0.94149595	0.91012484	0.94614905
Aquaporin-3 (AQP3)	0.99344945	0.9592587	0.9592567 0.96432096	1.0991408	1.0933518	1.2539715	1.2539715 0.98849454	0.9794697	1.0505954	1.0339056	1.0655377	1.0737449
Stearyf-CoA desaturase, liver	0.8583053	0.8583053 0.16332972	2.223468	0.5809913	0.727225	1.687965	1.1572907	0.8880083	0.8858439		0.61713976	0.5143562
Phase-1 RCT-64	1.1572549	1.1005623	1.5705352	0.9767823	1.1150166	1.1452895	0.74567028	1.1452895 0.74567028 0.82643104 0.58391833	0.58391833	1.2032949	1.1845014	1,2557415
					_	ł			7			
(1) Gene expression data for 24 hour												
transport are presented as mean ratio of				•							•	
(2) Compound and dose abbreviations as in Table 1												
(3) Individual animal mimbor					1							
(4) The Information designation for												
compound-dose group at 72 hr ves-near.												
necrosis observed; yes-both, necrosis with										_	_	
inflammation observed; no, no histopathology observed												
(5) Predictive gene (as in Table 5 and as												
Included in Table 26)												

Table 29. Expression Data for 24 Hour Timepoint (1)												
Compound-Dose (2)	APAP 1000	OCCA CACA	П	П	П							
Animal Number (3)	_	2135	APAP 1000	AMPB 5	_	AMPB 6	AMPB 2	AMPB 2	AMPB 2	AZA 50	AZA 50	AZA 50
Uver Toxicity Inflammation Classification (4)	yes-necr	yes-necr	yes-nec	2	5	946	254	455	92		Ť	1826
Gene Name (5)							?	2	2	₽	2	2
Gamma-actin, cytoplasmic	1.8582921	1.5787585	87509501	10 260378 O EB90377E	0.000000	10000			Ц	-		
Phase-1 RCT-145	1.2001884	1.5215938	2 3350213	2.3350213 0.33692113	1,0004204	0.58212507	0.7871822		4	\Box	0.75789446	0.8713903
Gadd45	0.8220603	1.3169364	2.7411542	1.1298801	10124831	0.05/1/00	1.0824317		ĕ		1	1.1809617
Priese-1 RCI-78	0.7808704	0.63136977	0.4383601	0.9308284	1.0404218	0.9070634		0.70264769	┙			0.8231778
Macmulace information	1.770481	1.6183406	2,1819198	1.0451683	1.0708269	1.1997621	1 1113182		4 220204	0.92987174		1.0712345
Integral betat	0.9978087	1.0500547	2,499682	1.2132936		0.96162003	1.2063959	1.2135922	ľ		1	0.7861994
Phase-1 RCT-207	1.395662	1.6570011		1.2685422	↦	1.1629019	1.2545536	1.0565374	上		0 0250602	1.1240859
Asparlate aminotransferase, mitochondrial	0.895400	1.3983328		0.85386956	_	0.78203094	0.9439779	0.9122205	1.0076088	_	1_	1 0074528
Casein-alpha	1 1557508	4 0674494	0.0002000	1.0116937	_	0.93209267	0.81939024	0.86183584	0.92903376	ļ٥	=	0 R045253
Malic enzyme	0.7887433	0 54030497			0.8070134	1.0222787	0.90802836	0.9650101	0.95668856	_	\vdash	1 1616033
Phase-1 RCT-30	0 97911584	0.00000	1.3120620			1.0375669		0.7961981		L	0.8779965	1.0351081
Hepatocyte growth factor receptor	1.167094	1 2437812	1 25/19/20	4 4242222	-	0.90863895	-1	0.92831427	0.86204904	1.1823995	_	1.1886955
MAP kinase kinase	1.0170603	1 243314	1 2840888	0 0004574		1.0922333	1.3486341	1.206578	1.3328109	1.3197302	1.0935258	1.1041063
Sodium/glucose cotransporter 1	0.8088966	0.7295511	0.9679155	1 2836038	4 2002047	0.80558835	1.0469087	-	1.0886178	ч		1.119699
-hase-1 RCT-27	1.8732264	1.8938187	1.7528889	0.9940153	0 9900489	1 2612076	1.6066968	1.3536887	1.0464604		1	1.342589
Phase-1 RCT-60	1.054244	1.0322771	+	0.88773113	0.3900469	1 0817330	1.0279734	1.0280223	0.83880206		-	0.48315746
Tidse-1 RCI -192	1.0690824	1,6059343	_	1.2273967	1 2410337	1 2308923	1 1442000	0.9450913	0.9360425	_L	1.0917292	1.2234671
Dhase I DCT 97	0.7642786	0.6193053	0.24977534	1.1391088	1.0509446	1.0585071	1 0273583	0.0589564	1.0775889		1.6240517	1.5705532
Omanic Callon transcorder 2	1.2586483	1.5245445	1.7040033	1.0808233	1.0024878	0.9908742	1,1896883	0.85770705	1.0486624	4 3207077	1.0559847	0.5562486
60S ribosomal protein t 6	1.2145855	1.6628273	2.0643818	1.1218594	1.0644948	1.0968392	1.0472007	0.89889574	0.986372	ě	0 00448784	1.0043254
Zinc finger protein	1.3096782	2.123485	2.389527	1.0680226	1.0149685	1.0449053	1.0768906	0.809804	0.9494649	1.0966653	1 177957	1 1022502
Calgranulin B2	1 0980319	1 2587437	1.7251326		0.9915832	1.0740062	0.8079414	0.9745604	1.0340985	1.0890789	1,1491843	0.8533254
D-1	1 0038857	1 0378671	-	_	0.96501154	1.0020818	1.256477	1.0929988	1.0065076	1.2576303	1.0842643	1.3911382
Phase-1 RCT-92	0.6478241	0 6327204	_	_1_	0.9025709		1.0437014	_	0.9944603	1.0585251	1.1374294	0.8796557
hase-1 RCT-115	1,7105365	1 285047	-	0.000000	0.99014103	-	0.91914994		0.86453015	0.75201595	0.9808349	0.6368073
Watrtn F/G	1.1557255	0.8929568	⊥		_	1.1013162	1.0304631	1.271776	1.0368471	1.2971808	0.9426231	0.97705114
Wuff. homologue (MLH1)	1.0106302	1.2527035	_	1.1516236	_		1.30474335	1.0442108	1.0063747	1,4353818	1.6712931	1.4580698
Priase-1 RCI-79	1.2013493	1.2564465	٠.	4-		0.9717166	1.031092/	1.1524423	1.0899471	0.8924456	0.98711234	1.030245
Phase-1 PCT_24	1.8308831	2.0072644	2,3247976	ட	Ļ.	0.7869903	0.9788148	7	0.9000127	1.0972867	_	1.3355374
Calciantin R1	1.694379	1.199395	-	0.86058825	1.0060536	1.1294993	1.1071467	_	1 0180862	1 0180882 0 80303205	1.322/912	0.82350554
Elongation factor-1 alpha	1.3181103	1.4272658	_		L. I	1.0382776	1.10478	1.0272358	0.898345		_	0.735139
gulono-gamma-tactone oxidase	0 50880034	1,0351/03			_	0.79923034	1.0948519	0.9959608	0.9681041		丄	1 0621622
Phase-1 RCT-33	0.82523817	0.42133034			4	0.6687783	_	0.84650155	0.7172374	-	+	0.4201693
c-im	0.8084514	0 7888875	4 7485590	1.0861449			1.0429465	_	0.87384915	0.6952157		0.702221
Phase-1 RCT-233	0.8231471	0 72436and	┸	┸	4	_	0.96674925	1.0887262	1.0111239	1,3967819	0.9711213 0	0.85284424
Phase-1 RCT-36	0.93421125	0.8311461	1_	0.0375606	0.043286/ 0			0.78692436	_	0.88466305	1.1613562 0	0.72976696
Phase-1 RCT-242	1.0413784	1.3467473	4.			_	0.94354206	0.9088171		0.94197893	0.8490725	0.8333413
Phase-1 RCT-181		0.91107595	┸	4	0.9341348	1.2/40/54	0.8639044	0.8285046	0.9210899	1.1739111		0.92818656
Phase 1 DCT-176	0,50753045	0.4368403	_	0.9765083	-	_	0 733053	0 883404	1.03	1.1418198	_	0.94034916
Phase-1 PCT-144	1.0768157	1.3764162	Ш	1.2084903	-	1,1106943	1 2614957	_	1 004426	100103107	4	0.907629
KB-a	0.98160547	1.1773083	2.422509	0.769776	上	1.0955491	0.8869591	0.853235R	0 8882108	1,0377847	_	0.9477445
Phase-1 RCT.225	1.2678796	1.6619941	1.7599643 0	0.96295506	L	0.967266	1.0511838	0.8995905	1 020527	-	1 4520400	0.9387686
60S ribosomal protein LB (alternate clone 1)	1.2314672	1.6224287	4			0.94754964	-	0.65229034	1.1290088	1.5169756	_	1 2009261 0 6001378
	+0000d to:1	1.3702478	7.3206892	12267033	1.0718535	0.8910129	1.2770609	0.9694046	1.0013335	1.4658207	<u>_</u>	1.9163811
Beta-tubulin, class I	ш	1.4552431	4.005797	0.9138164	1.1618305	1.0664338	1 9792182	0.0015022	4 0426000	10000000		
The second residual process.	0.85026747	0.97505075	, ,		L	_	Т.		1 008105	1.0126032 0.89/3/064 0.92484057		0.8424161
			ı		1		J	102 12201	וכטוסטעו	0.17893221	1.0383381	1.07723471

Phase-1 RCT-49	0.0249947	1 094226	2 166884	0 75395864	0 92050048	1 2418224	A Aggnose	0 92401591	0.0285115	1 0464158	0.90355814	0.8942486
Calgranulin B3	1.3166662	1.6070114	2.1341743	+-	1.0209827	1.0820234	0.9968559	1.0356328	1.1032516	0.9922274	1.1935297	1.0588398
NADP-dependent isocitrate dehydrogenase,	0.8227579	0.8062169	0.555531	1.11111901	0.9368493	0.8681596	1.1805204	1.1330749	1.0857997	0.832288	0.95470864	0.8089195
cytosolic					_							
Octamer binding protein 1	1.0179598	0.9920271	0.735401	1.1808677	_	0.96051615	1.0221442	_	1.0338701	1.0150313	0.9856217	1.1808434
Sodium/bile acid cotransporter	0.7684667	0.580177	0.885/8853	1.1732075	-	0.91316587	1,0396426	_	0.84497523	0.7477124	0.9879446	1.0380545
Phase-1 RCI-1/4	0.78111845	0.7581213	_	0.940281		0.87478447	0.8479776	0.9403379	0.91230176	1.1039112	0.9164716	70098078.0
Phase-1 RCI-77	0.7503459	0.7911517	0.47819387	4 2419464	1.0891204	0.78344613	4 0350463	0.931947	0.8706846	0.6884699	1.14/06/9	1,0001813
Phase 1 RCT-256	0.7770574	0.46309340	0.30347252	1 2516383	0.9840751	0.8930206		-		0 9687098	1 01428R2	0.512033
Equilprative nitrobenzylthiomosine-sensitive	0.8654703	0.39845544	0.2583559	-	0.98968345	0.713909			-	0.78183514	0.9292693	1,1171777
nucleoside transporter									_			
CDK102	0.9067937	0.86421376	0.7252871	1.1537626	0.9561138	0.9013158	1.0825249	0.9577643	0.9739338	0.83690417	1.0488386	0.8947433
Phase-1 RCT-209	0.85024416	0.752979	0.5971276	1.1338282	1.0583161	1.092144		1.1122012	1.0123931	1.0397422	_	0.98614645
NADH-cytochrome b5 reductase	0.76216596	0.63331974	0.58289486	0.8211148	_	0.74564576	-		0.93455297	1.1223649	~	0.84289235
Dynamin-1 (D100)	0.8585791	0.78091645	0.42062837	1.169634	1.1217867	1.0587527	1.0252057	0.8899		1.021319	1.1168324	0.8928621
Senescence marker protein-30	0.40994465	0.2444617	0.09829133	1.3176931	0.9055896	0.83561	1.0821384	0.9235263	_	0.22450759		0.31163177
Phase-1 RCT-89	0.8349818	0.676441	0.33456933	1.1420949	0.8569865	0.93144006	1.177015	1.0667709	1.0850333	0.8057168	1.169088	1.0576782
Camitine palmitoyl-CoA transferase	0.89609426	1.4230582	1,1756206	1.0029391	1.2236779	1.1327269		0.9801424	_	1.2826309	1.1620997	1.4358013
Alpha-2-microglobulin	0.7206569	0.5284509	0.26311472	0.78797835	0.9774913	0.4419292	_	0.54135986		0.12882164	0.5158583	0.22284019
Apolipoprotein CIII	0.70201623	0.7529976	0.46395576	1.0392569	1.2722049	1.0957452	0.9154562	0.90213	0.8632187	0.6120905		0.51784796
Cathepsin L, sequence 2	1.074807	1.338568	4.1737027	1.3029445	1.0383123	0.9416942		1.1602902	1.1673063	1.1145176	1.1013969	1.7933372
Phase-1 RCT-141	12352824	1.9157325	2.0936325	1.7906849	1.7655644	1.4077353	3,1209016	1.8848674	1.8932785	1.392757	1.7617538	2,1320772
Phase-1 KC1-289	0.777935	0.71446484	0.4531898	1.1787394	1.0655462	0.9373429	1.0272236 0.86128765	0.86128765	0.89218545	0.7427473		0.7081744
Endothelin-1	1.0579122	0.91/8/35	1.089/1/3	0.9496146	1.0423923			0.98252434	1976081	0.8963858	-	0.84549503
Phase-1 RCI-282	1.0629691	0.994/54/3	1.16145/8	0.8068867		0.975257	_	1,036217 0,97847943	0.97847943	1108271		1.03860/1
Friase-1 KC1-140	1.0635464	1.0928316	1.15/6865		-	_		0.90616024	1.0555277	1.104457		0.85236434
Dham 1 Dr. 287	0.54828155	0.5665936	0.9603462	1 12/3067	1 03003434	0.9002315	1 1881376	1.0110703	1 0000038	0.9132339	4 093984	4 0024004
Dhaca 1 PCT-284	0.92003900	0.714558	0.020000	1 14422	0.874363	-	0 86632633	1 0038764	1 1466545	0.91001	0 75755715	0 S638483
Poston hindler emters (PRD)	0.0120.001	4 481 1086	0.74048674	4 0332462	1 2307008		0.0530542	1 00428	0.0708228	0.0303708	1 3381288	1 0885001
ATP-elimitated aluccontinuid-persenter	0.7426958	0.8263415	0.5014418	1 1547348	0 9011321	0 91959256	1 1436354	1 0740182	0 99813818	0.6014372	0.88725024	0 72278017
translocation promoter (Gvk)	0.000				200	2000						
Phase-1 RCT-60	1.056609	1.5934355	2.4880745	0.7949322	0.9441071	1.1333096	1.0417559	0.9263801	1.009548	1,1459387	1.0200537	1.5423852
Pyruvate kinase, muscle	1.0151799	0.9969	1.8328559		0.93204457	0.9989268	1.0069858	1.0461496	1.0201097	1.3594375	1.0729209	1,2579149
PAR interacting protein	1.1032678	1.4794549	2.2465057		0.95852166	1.0811801	0.94116193	0.98249346	0.9503574	1.1913778	1.0059475	1.116744
Nucleoside diphosphate kinase beta isoform	1.1852125	1.6279102	1.5158077	1.1502217	1.3752702	1.1748644	1,5727008	1,4162894	1.4557424	1.0615329	1.3283691	1.4231929
Codddfa	4 4500700	4 23A078A	2 2302	4 0042502	4 087445B	4 4202592	4 2000528	4 4440004	4 4584504	4 055840	0.0000458	4 0802048
Insulindike amouth factor binding protein 1	1 5541166	1 8837394	3 7856872	1 2116332	1 193881	0.9382947	1 1707132	1 0464272	-	0.90603876	1 1553967	1 0494683
c-H-ras	1.11818	1.0687729	0.9092059	0.92860883	1.0100199	0.92188394	1.1451765	1.0243174		1.2371001	1,1112157	1.2343993
N-hydroxy-2-acetylaminofluorene	0.591341	0.2920545	0.17752759	0.9899004	1.0606474	0.8711633	1,3331565	0.9139637	0.8922501	0.5797132	0.9697285	1.162436
Dhoest PCT.52	A AGREAGA A	0 24443427	0 40742483	4 4004856	0.03208584	0.8087243	1 0487755	0.0050633	0.00080604	1 6020605	1 4712002	1 8830080
Moha 1 - inhihitor III	0.4712479	0.46959865	0.2010240		4	0 64268124	0 6523874		-	0 65271664	1 0028344	0 6043494
Sterol carrier protein 2	0.95045644	1.0124365	0.65608823	+-	+	0.65227354	1.5759382	_		0.56555797	-	0.93229634
Organic anion transporter 3	0.7554135	0.58161473	0.54609853	+-		0.94880766		0.90925777	0.8788957	0.50532836	0.78048545	0,751599
Calgranulin B4	0.71294475	0.72492254	0.43257424	0.96276873	1.0128975	1.0103006	1,1333699	1.1462982	1.0020114	0.829956	0.7476181	0.6585489
Phase-1 RCT-182	0,64892588	0.55294573		1.0325558			0.7444952	0.82067513	1.0056177	0.9856907	1.1356047	1.2026912
Calgranulin B8	0.75011414	0.5714492	0.3641312	1.0356214	_	_	0.833285 0.87372285	0.87372285	1.0839336	1.180438	1.3036721	1.2147646
Aldehyde dehydrogenase, microsomal	0.91913486	0,9006553	0.60218287	1.1384561	1.067368	-	1.2100272	1.0429099	1.0023754	0.9299008	1.1590096	0.76107484
Phase-1 RCT-128	0.74584305	0.684723	0.23660524	1.2472311	1.1158968	_	1.0481011		0.83768606	0.896084	1.3919032	0.8506981
Phase-1 RCT-102	0.4853712	0.3991945	0.273727	0.92260283	0.823918	-			0.93095475	0.5531166	0.5857912	0.3589506
Preproalbumin, sequence 2	0.6166477	0.6097242	0.4763403	1.0539279	1.1039207	0.8484081		0.86000896	0.83871025	0.5814712	0.8695809	0.52733845
Appropriate All	0.578984	0.4050566	0.3114364	1.2452655	1.0405842	0.9107943	1.13/1/45	4 009063098 0.72063637	_	0.9821312	1 1153358	0.5149465
Phase-1 RCT-48	1,1263044	0.67619914	0.5881342	1.3473283	1 2138255	+	1 0794547	1.020137	1.0609623	0.9523583	1.2105967	0.8602574
Phase-1 RCT-8	0.6599021	0.6781999	0.53093314	1.0083852	1.1344649	0.8925677	1,037696		0.78963166	0.68281883	0.9887927	0.5950092

Phase-1 RCT-188	0.80544215	0 740085	0.4740422	0.0752200	0.0044400	4 000000	,					
Phase-1 RCT-88	0.5934322	0.68914455		0.98001355		0.88347089	1 0040814	4 338430	1.000/636	1.0402027	0.76922035	0.87692916
Beta-alanine synthase	0.7792086	0.73912287		0.7581522		1.2035537	1.5805954	1 5077472	1 1430087	0.7644476	1 0451040	0.0400004
Phase-1 RCT-296	0.40874118	0.22145048	۱m	0.95920914	-	0.67318124 0.55599768	0.55599786	1 1618317	0 7357143	0.0135502	_	0.71608174
Carbonic anhydrase III	0.3307657	0.12657292		1.0996143	-	0.85313475	_	0.91535836	0.9814183	0.47545522	-	Q 7998897
Phase-1 RCT-291	0.8483654	0.60188836	0.3593634	0.8186351	0.8476734	0.80799955		0.86978155		1.015373	0.9752554	0 9942117
Carbonic anhydrase III, sequence 2	0.5223809	0.6747151	0.28789172	0.9750317	1,0104692	0.6901254	-	1.4146233	1=	0.48209032	-	0.73099154
Phase-1 RCT-271	0.7860979	0.81188077	_	1.0113114	1.2025958	1.1246231		0.90503794	0.88008446	1285325		0.7109682
HMG-CoA synthase, mitochondrial	1.3483944	1.5729399	-	0.68055576	0.8127598	0.8176356	0.69263625	0.87089354	0.6565378	1.3695582	1,4160204	0.9413592
Prizse-1 KCI-189	0.7548308	0.6613784	0.33408114	1.1312664	1.1596029	1.0450487	1.3901923	1.0421152	1.2881461	0.6534645	0.8842895	0.6498718
Friesb-1 MCI 40	0.7273161	0.612156	0.37656307	1.0289422	1.0779145	0.8713578	1.2471184	1.0392296	1.1495807	1.0016414	1.4191339	1.525431
Unnary protein 2 precursor	0.5233417	0.49066478	0.18570831		1.2955924	0.90868086	1.623139	1.1182885	1.0891768	0.43916816	0.83013314	0.58483756
Paraoxonase 1	0.52919513	0.4964779	0.38552403		0.97493446 0.71530086	0.71530086	0.5801933	0.8143748	0.7854477	0.4736557	0.7183936	0.68998414
Liver rany acto banding protein	0.4243076	0.42682940	0.22899723	1.3805846	1.2572317	1.0148991	1.3544377	1.1863532	0.93213946	0,45244125	0.60806644	0.67174655
Presentin-1	0.4342318	0.5170955	0.3503559	0.5898461	0.9528535	$\overline{}$	0.64319557	0.7319639		0.5975133	0.8783178	0.55303705
Priese RCI-38	0.8079268	0.6658584	0.4284167	1.2936591		0.9184311	1,1572385	0.9668758	0.9668758 0.85959744	0.834435	0.8915342	0.8894174
Transfer ROI-270	0.78573858	0.5636744	0.3204545	1.0831913	-	0.91010946	1.1034978	1.0178612		0.80016285	12150624	0.6599876
Venatio Brane	0.42702085	0.48375543		1.0544994	1.0695916	0.7892534	0.9569866	0.9584387	0.71007586	0.5367836	0.5899975	0.5991671
Cochema DASO 44.84	0.523139	0.42762667		_	0.78975916	0.832729	0.5824089	-	0.72423637 0.45722082 0.77918464	0.45722082	0.77918464	0.6205136
Phase-1 RCT-175	0.70983636	0.02085235	÷,	0.92748725	0.9499367	0.8570249	1.0194064	1.1094177		0.88415915	0.9462384	1.115028
Phase-1 RCT-117	0.0121303	0.74004300	_	LOCKOCK. L	1.1245854	1.0682105	1.0092112	1.185179	1.1408782	1.0747622	_	1.0049487
Phase 1 PCT-197	0.00100490	0.0341977		0.73834413	1,13/953	1.260836	1.488873	1.4134079	1.0557526	0.9472243	-+	0.99224305
Melanoma-associated antinen ME491	4 040508	1 1147567	4 5564703	1.3410574	1.5034796	0.9648276	1.5168723	1.1995208	1.2559632	0.6695195	1.0140086	0.6744351
Phase-1 RCT-12	4 9469940	1001001	-	0.00304040	0.972976	1.1832527	_	1.06/2234	1.111746	1.0148723	1.0271976	0.8852153
Phase-1 RCT-152	1.3103340	1.0046241	1.8844128	0.8/2/618	1.0715595	1.0972954	-	0.89154744	0.9915949	1.1153711	1.0728441	0.8380462
14.3.3 zela	7.0701	1,9903161	2,355323	1,2008587	1.0749402	0.8369955	1.6744584	1.1059141	1.0406197	1.2117712	1.1803574	2.1739435
Cydodymma D450 2023	1.270679	1.339/921	2.1931944	_	1.001191	1.0588349	0.991496	1.0395159	1.0589399	1.1267045	-	0.9280008
Vollege de codent entre de code est	0.572573	0.44500446	0.30425882	_	0.90603226	0.77196723	0.7586682	0.9571795	0.9621519	0.578416	0.8726584	0.39511722
י שמאכ מכליפותמת פוואין מופנותם ד (ממכל)	1.4032424	1.5863334	1.9928924	1.1969392	1.1117816	1.0465214	1.3802288	1.1799	1.0115302	1.3204356	1.2635342	1.6548408
Phase-1 RCT-154	1.1261101	1.3269429	2 225595	1 1033485	1 0670265	1 0284704	1 2401182	1 0622003	40744504	4 4923007	4 4200027	4 4420000
Superoxide dismutase Mn	1.2740895	1.1780099	1.9311266	1,7118846	1 2457026	1 2200312	3 5397784	1 620724	20311726	1 1769074	1.1200627	1.1438382
с-тус	1.1497276	1.4966376	3.2799692	1.0842137	1 0022017	1 2002887	0 9308433	0 8984804	0 90680015	1 2424045	1 1108234	0 072000
Phase-1 RCT-196	0.8888922	0.8501671	12	0.81747895	1.0247443	0.8064589	0.8648886	-	_	0 80501887	-	0.972030
Cyclin G	1.2089812	1.5694448	•	-	0.99432415	1.0538665	1 1650543	1 0677777		1 8831067	_	4 8677783
Calgrandin B5	1.1793451	1.1425312	1.9537021		0.9585709	1,2368405	1 0066783	0.9442858	-	1 0506325		0.00300313
p53	0.8978914	1.1758155	1.5839317	┺-	1.0065411	1.1502441	_	0.91964036	1.038293	0 7968134		0.8355046
Phase-1 RCT-205	1.0250242	1.0660911	_	0.79457974	0.97376275	1.148797		0.9280353	1,0149823	0.9934985	-	1 0908263
Phase-1 RCT-68	1.3829609	1.4294881	2.0063844	1.0051438	1.0124631	1.0477191	1.2328756	1,2969031	1.0559149	1,193551	1.1469512	1,3091723
Caspase 3	1.3808901	1.202916	1.3013271	1.0605229	1.0679923	1.2280244	1.1607631	1.1668854	1.036936	1.1424555	1.1590029	1.579439
Alpha-tabulin	1.1087208	0.98075485	1.621208	1.0004114	1.0895827	1.2639636	1.1278923	0.938184	1.0887688	0.3369916	-	0.73351455
Riposomai protein L134	1.6068325	2.3484156	258199		1.2101244	1.0554941	1.4414708	1.2252439	1.1640684	1.09293	1.1067629	1.1281542
Special Division	1.117225	1.130881				0.9537656	4	1.1351768		1.3038343	1,0860491	1.1784845
Coffie	2,002,000	95,070,0			-	0.90866745	0.9210828		_	0.87320155	0.7374082	1.0035868
Heme oxygenase	1 1162314	1 11882/8	1.2010092	1,0442363	1.15010/6	0.9147838	1.1039462		0.89601046	1.3628459	1.4227997	1.2566644
Phase-1 RCT-241	1 1525435	1 0752367	4.	1		0.05750055	3306-630	0.000000		1.2500000	0.9720785	1.3517003
Ribosomal protein S9	1.0825168	1 5427363	_ـــــــــــــــــــــــــــــــــــــ	_		4 4 4 4 8 9 9 9 9	4	4 44 37 570			1,200,130	1.1480932
Phase-1 RCT-258	1.1984203	1.2893456	-	-	0.95131224	1 0000017	001007606	1.112/5/2	1.2813442	1.0404323	1.0044005	197/3681
Argininosuccinate lyase	1.2045684	1.905453			-		4		4	2 82824024	1.030307	4 0222024
Phase-1 RCT-180	1.3823845	1.5232956	1.8385341	1.0517182	1.0971311	1 0686349	┸		_1_		_	1.832/824
Muttidrug resistant protein-1	1.2409593	1.2022458	1.889119	1.2192514	╀-	0.9503454	+	+	1 0658762 (_	-	0 0486536
Omithine decarboxylase	1.9183862	2.1628938	3.0924182		+	+	L	╄		14556915	1 2827682	1 4495058
Thymosin beta-10	1.2853549	1.3834659	1.7880654	1,3530982	1.2984315	1.2781966	1.1220789	1.1501005	1.0699301 0.87984663	0.87984663	+	0.90782803
Phase-1 RCI-72	1.1274544	1.0831252	-	573	0.9001768	0.9808678	0.92684823	0.9786701	0.87393934	1.3640453	1.0002638	1.4097186
Dhare 1 Der 78	1.422/433	2.054258	4	_	_	-	_		щ	1.1602619	1.0052907	1.195961
Versel monthes antica 4	0.94390976	0.7213291		-1	0.73569655	0.8576562 (_	_	0.73934746	0.5561597
Vacazoté inferiorem protein 1	0.74106304	0,7889228	0.9991518	0.97510314	1.0280349 (0.91438824 0.87053716	87053716	0.84679264	0.7937638	1.1349854	1.3439544	1.2496696

Phase-1 RCT-158	1 15001 40											
Phase-1 RCT-113	4 0000148	0.999835/	5.7372694	0.76401985	5.7372694 0.76401985 0.94041914	1.2141839	0.9017363	0.9752735	0.9752735 0.98783624 1.0464157	1.0484157	0.9725178	0 98375803
Endocenoris retroviral semience & and at	Is/nepp:	0.8303306	1,085368	0.7687303	1.085368 0.7687303 0.86591506	1.0989928	1.0989928 0.90213954	0.8959237	1.1581231	1.1272117	1 343394B	1 2074744
LTR	1.113/03	1.1120529	1.6475983	0.9994521	0.8615626	0.8822105	1.0136741	0.589122	1.0823427	0.7625257	0.7625257 0.95909244	0.6334852
Beta-actin	9 5061053	2 2404002	1,000,00									
Phase-1 RCT-65	4 4080262	4 000000	9.4/904/	0.8/49//	0.8/49// 0.75951916		0.8832542	0.7946342	0.9267778	0.6435825	1.1258684	0.8400922
MHC class I antigen RT1.A1(f) atoba-chain	2 1031258	1,302,300	7,1029102	0.650505	1.0112531		0.9172255	1.0764174	1.0764174 1.0359195	2.0853486	1.6928691	1.6255807
Bax (alpha)	1 2847227	1 2057765	4 00000	1.01745347	1.239629	1.110735	1.1624255	1.4728005	1,2371802	1.8084649	1.8132389	1.5140027
Carbony reductase	1 2/822/02	4 442690	1.0200344	1.0200344 0.9552065 0.94724494	0.94724494	1.0461246	1.0295255	1.037648	1.0487169	1.4329258	1.0629381	1.1681137
Beta-actin, sequence 2	1 2000626	0.044446	1.3313422	1.9913422 0.8/959135		1.1666231	1.1666231 0.88612187 0.93127066	0.93127066	1,0360234 0,82655925	0,82855925	0.74112225	0.8881411
Interleukin-10	1 2573425	4 2503044	1.0939939	1.0939939 0.89351854	1.0175153	0.9491605	0.9491605 1.1273112 0.92457116	0.92457116	0.9867165 0.77316948 0.95538956	0.77316948		0.61783006
Phase-1 RCT-191	1 4874158	4 40705014	1.13543	0.8847528	0.9072267	1.0616845	1.0616645 0.9555349 1.0286399	1.0286399	1.0087113	1.1107692		1.0569814
Phase-1 RCT-111	0.00000	7400050	2.3144091 U./916212/	0.78162127	0.944196	1.0833651	0.9738737	1.061395	1.061395 0.97739047	1,577858	1.4074147	1.3583895
Apoptosis-regulating basic protein	A RADREDAS	0 80477744	0.001014	4 675055	0.7501912		0.8298749	0.9092138		0.7876749	0.8444198	0.77913165
Giutathione peroxidase	0.31497556	0.0011111	0.34049224 1.2739198		1.0292126	1.0292126 0.89827716	1,2405902	0.9525243 0.91834444	0.91834444	0.6032715	0.8686081 0.61751163	0.61751163
Phase-1 RCT-239	1 2476604	1 3021670	0.6524420 0.74000123	2017750110	0.83835074	0.800976	0.800976 0.8100336	0.9987932	0.8913263	0.6186622	0.8085324	0.7700386
Phase-1 RCT-67	0.95356756	0.001071	0.00284429 0.74062/4/	0.74002747	0.8296533	0.8892142	0.8892142 0.82507575 0.90073115	0.90073115	0.8759945	1.47695	1.247851	1.1122367
Tryptophan hydroxylase	0.98965384	0 0893659	0.00703207	4 2047500	0.984122	1.1861598	1.1861698 0.9203821 0.90379715 0.90624243	0.90379715	,	1.0524902 0.88758016	0.88758016	0.9013942
Suffotransferase K2	0.7919296	0.5053032	0.0111330	1,201/383	1.0104796	_	1.5841359	1.2132279		0.9023696 0.97939736	0.97939738	1.0872401
Calgrandin B9	1 1127381	0.00000	0.0070213	1.1010319	1.0921085	12328321	1.5872883	1.3223262 0.93997043	_	1.2591074	1.5116801	1.3554289
Phase-1 RCT-123	0.0070950	20100000	0.4286531 0.91//358	0.91//358	0.9157032	0.8701664	0.8300704	0.9173915	1.0094985	1.147391	1,2343893	1.0778247
Phase-1 RCT-98	0.907090	0.9630166	0.88306534 0.94863695	0.94863695	0.9799223	1.1886034	0.9520908	1.0198792	1.0053626	1.0742905	0.9976288	1 0744553
Adianoph-3 (AODs)	0.8688/12	0.78359263	0.699142	0.699142 0.8903397 0.88376737	0.88376737	1.0200946	0.77529	0.77529 0.80910053	0.963896	1.1101488	0.8969257	1 0486758
Stand Cod doestimon line			0.7777109	0.84368026	0.7777109 0.84368026 0.8971131 1.1215242	1.1215242	0.8788555 0.93314016 0.94294393	0.93314016	0.94294393		0.94697225	4 0266097
Diego v Corr 6.	_	_	0.067612566 0.34185332 0.79246926 0.89108914 0.546096B 0.36864343 0.27754068 0.4764138	0.34185332	0.79246926	0.89108914	0.5460968	0.36864343	0 2775-6069		_L	10000001
Maser KCI-64	0.9507219	0.7682822	0.6497181	0.882661	0.8489048 0.9795103	0.9795103	0.8822899 0.99842545 0.95445174	0 99842545	0 05445174	1 6082000	_	0.01/00/10
								2	1	0007000	1.0/3/6/1	1.216889
(1) Gerne expression data for 24 hour									1			
timepoint are presented as mean ratio of					-	_			-		_	
treatment/control for all 24 hour predictive			_								_	
genes (Table 5).						_	-					
(2) Compound and dose abbreviations as in								1		1		
Table 1.									_	_		
(3) Individual animal number					-	†	1	1	1			
(4) Liver inflammation classification for					†	1	+					
compound-dose group at 72 hr yes-necr,			_			_						
necrosis observed; yes-both, necrosis with											_	_
inflammation observed; no, no histopathology				•		_	_	_			_	_
observed			_	•		-		_			_	
(5) Predictive gene (as in Table 5 and as included in Table 26)										1		
									_	_		

Table 29. Expression Data for 24 Hour Timepoint (1)							1						
			1	1	T	T	0004 4000	SEN 4000	REN 1000	RAP 30	BAP 30	BAP 30	BUS 14
Compound-Dose (2)	AZA 200	AZA 200		BEN 250			12	Ľ,	2036	2344	33.55	2346	1744
	1834	1835	1836	2024	202	9702	_		9	8	2	2	2
Liver Toxicity Inflammation Classification (4)	2	2	<u>-</u>										
Cone Name (5)								1000	70000000	0.02473495	1 012718	0 83510315	1.397714
Garma-actin cytodasmic	3.7113097	2.4193583	2,9596164	1.1211765		0.80504847	1.3450783	0.9904965	4 20772047	4 0747887	9	1 070357	0.9624114
Phase-1 RCT-145	2.322422		2,3341157	0.9507642	1.0188053	0.996983	0.9651043	1.0088030	1 1008RF4	1.3675758		1.6485288	0.8359598
Gadd45	1,3841097	1.3488642	_	1.1186035	0.8869724	0.91/414/	1.0434173	1 012008	1 0248717	L	1_	0.8357989	1.064394
Phase-1 RCT-78	0.6966337	_	-	0.92924505	1.005316	0.9092032	1.1140010	2003000	1 0511218	L	_	0.80623907	1,5606785
Fas antigen	1,3866451	_	1.3099786	0.981465	_	_	1,034072	0.0700424	0.08473287	1 125653		0,77556723	0.98539543
Macrophage inflammatory protein-2 alpha	2.8009555	_	1.4802867	0.9296439	_	-	1 069571	1 0215085	1 0833187	1.6090201		0.8962543	1.1605845
Integrin beta1	1.2875762		1.1690544	1.0813/28	1.2109300	1.1200240	-	0 04028527	0 9895836	1.143769	1_	0.9841292	1.086318
Phase-1 RCT-207	3,581343	ᅪ	2.083282	0.9522653	1.0290407	1.00918997		0.8005067	0.8741532	١	ш	1.0955409	1.1440251
Aspartate aminotransferase, mitochondrial	0.6679357	0.95714825	0.59875670	0.9300034	-		0 92165065	0.9498518	0.9517933	ı	0.901244	0.95730096	0.7654983
Casein-alpha	0.76586264	0.9033974	0.86543545	1.0261122	_	_	1 021687	0.8933076	0.93501645	0.7044028		1.5376316	0.6771053
Mailic enzyme	0.7634053	_	0.88498616	17107/90		2000000	4 0205536	0 074448	0.8632849	1.0627325	1,116805	1,2574905	0.7237341
Phase-1 RCT-30	0.46585247		1.1813573	1,211,3084	1.1200023		0.06887388	1 0451504	0 9585538	L	L	ш	1,0256871
Hepatocyte growth factor receptor	0.94783795	٦	1.008267	힐	0.7873378	= 1.	4 0075400	4 0692084	1 0474654	Ľ	L	0.9289074	1.1106898
MAP kinase kinase	0.9775976		0.7803983	\perp	0.8489384	1.020020	001070010	70000737	0.00500	┸	L	L	0.8408135
Sodirm/almose cotransporter 1	1.1213756	6 1.1740056	1.3462734	_	1.479216		0.88622946 0.7370032	0.7076637	0 87879366	Ľ	┺	ـــ	1.7824882
Dhaea-1 RCT-77	0.6356455	5 0.6028852	0.3920743	_	0.6129292	0.7212883		0.702337		┸	٩	L	0.7655572
Dhasa-1 RCT-50	2.0424013	3 1.8918458	1.4971058	Ц	0.9508708	1.1421466		0.9165/495	┸	1	4	┺	0.9492441
Dhone 4 Dort 402	2.3663833	1	2.2067914	1.0858828	1.0200282	1.0567778	1.0074214	1.0/41/52	'		١	15	1 4246571
Disco 4 Derr 300	0.5175948	١٩	0.4976981	1.2267514	1.0697432	1.2011045	0.8798338	0.9481354	_	\perp	_1`	-	0.9750233
Phase-I RCI-200	1 1384115	L	1 2829539	1.0380094	1.1082013	1.0264148	1.0973383	1.0841764	_	1.0862030		1	0.8810155
Omnain author transporter 9	1.2895361	L	1.4426008	_	1.1819994	1.0736699	0.9742056	1.0113545	_L	1	ľ	4	1 2937964
soc ribocomal protein 1 B	2.109469	L			1.2186768		1.0068545	0.919599		4 2265673		15	0.97833765
Zinc firmer mortein	3.783347	1 2.9543152	1.678247	1.0909039	1.0063345	_[0.9449783	0.9700281	1,0240909		Γ		0.95140743
Calgranulin B2	0.76938003	Ц		_	4	0.8416591	1.0294/85	4 407624	Ľ	ľ	<u> </u>	0.7893555	0.9680063
3	1.6034024	1	_	9	4	0.9904381	4 0070967	0.0655517		┺	↓.	١	1.074838
Phase-1 RCT-92	0.39813086	익	_	4		_	1.06/0351	4 0074459	1	9	┺	┖	0.77276546
Phase-1 RCT-115	0.4717874	5 0.8337083	_	_	ı	_	1.1525084	1	1	L	L	L	1.3978662
Matrin F/G	1.597515	l	Ш	_	- 1		1.3069142	1.3264292	+	٦	┸	┺	0.7135738
Mutt. homologue (MLH1)	0.7669726	Ц	_	-			1,026/35	0.9757308	┸	L	┺	_	0.9256748
Phase-1 RCT-79	0.7189253	4		۷.	o)	1.03/3003	4 125716R	1 1545858	١.	L	L	1.3125262	1.6453965
Sorbitol dehydrogenase	0.98891145	7	_	1	0.639090	1.	L	┸	┸	Ľ	L	2	1.4544767
Phase-1 RCT-24	1.1920924	1	4	1.142/42	┸		L	上	L	3 0.912872	2 0.93206763	Ц	1.0446277
Calgranulin B1	1.5681757	1.3432547	1.5034/5/	4.	1		1,3338935	↓_	1.2903754	Ц	_	_	1.2259861
Elongation factor-1 alpha		١	ı۲	┸	Ļ	_	1.2142392	0.80971235	_	٦	-	4	1.5/08223
L-gulono-gamma-lactone oxidase	0.38231924	L		4	L	L	1.0218835	1.0051633	0.08330724	_	4	4	1.2807686
Phase-1 RCT-33	0.54629153	1		T	<u>.</u>	_	┺	1.1467885		_	6 1.0712705		1.2298893
o-lun	1.1304000	ľ		-	1_	0.8528396	1.1111006	0.9091355	5 0.88657534	_	=	_	1.1101380
Phase-1 RCI-233	708707977	┸	_	┺	L.	0.9156223	0.98140603		_1	_	4	_	4710C26.0
Phase-1 RCI-38	0.042/32/	1	<u>ا</u>	L	1	⊏	0.9359088	Ш	_	_		_	0.07 (124/4
Phase-1 RC1-242	4 0063324	ľ	4	┺	١		0.85578907	_	_	7		1.0180387	1 1600/15
Phase-1 KCI-181	75824827	L	1.	L				9	-	_	4	_	4 472974
Phase-1 RC1-183	3 400019	L	Ļ,	L	Ļ	1.0370518	o	_1	_	4	Л.	4	0 901138
PORGET NOTE 178	1 5908697	Ļ	L.	4 0.9282573	1.076135		_	4		.]		ľ	0 9275752
FR858-1 KC1-144	1 9840299	Ļ	L	١	1.2946097	_			_	_	7 7 4134504	1	0 93817294
Direct Dorf me	1 4747874	L	1,1055099	L	0.83903766	9	ч		- 1	1	4	1	_
60S ribosomal protein L8 (atternate clone 1)	L		7 2.1404097	7 1.0303496	3 1.1675287	1.0800574	1.1385733	1.1919546	1.4806800	1110000		_	
	4			100000	4 0474049	0 73052526		1 2848592	1.6821	1 0.7728321	1,2201084	11	
Beta-tubulin, class I	1.6286935		2 1.454U4 14	١,	_		0.9789383		F	Ц		5 0.9500036	1.1236757
Multidrug resistant protein-2	28270404	1.8/2/441	4	4 0.0606100				1					

						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	000011000	0000000	0.005400	0.0553300	0.00540725	0 02585754	0.8324286
Phase-1 RCT-49	1.4146855	0.7749877	1	0.9541073	1.0696465	108911991	1.0462038	1 0430478	4.240431AB			0.97562313	1.1261985
Calgrandin B3	1.1855916	1.101/321	_	1 1875GR	1 099978	+	-	0.04493186	1.0027916	1.0304714		_	0.85933644
NADP-dependent isocitrate denydrogenase.	1.002/2043	Crocos.	0.71.0	2	20000	_	_					-+	
Ortamer hinding profeso 1	0.79040384	1 2553581	0.87945575	1.0177008	1.1328458	-	0.92313564	1.0080582	1.0049866	0.944085	1,0001909	1.098728	1.0704346
Sodium/bile acid cotrarsporter	0.35449892	0.5923152	0.42051202	1.153714	1.1635811	0.9872644	1.0882746	0.6436162	1.0652164	1.7685418	1.3887147	1.7875744	0.8062378
Phaee-1 RCT-174	0.8953983	0.81283876	1.1836231	1.0394846	1.2327828	1.0398386	1.1755452	1.1633273	1.5241637	1.1226345	1.0126857	1.2993568	0.720907
Phase-1 RCT-77	1.2372648	1.1537238	1.2570834	1.0220433	1.2986647	1.0546501	1,2595639	1,2453387	1.8138458	1.3472059	1.0486833	1.4085846	1.23345/8
Inositol potvohosphate muttikinase (fpmk)4	0.5792218	0.61642385	0.4954063	1.1532516	-	1.1830523	1.1864895	0.6786357	1.1560445	0.8458368	0.62094057	0.9230838	1.255639
Phase-1 RCT-258	0.6239309	0.5814197	0,5354769	1.2432363	1.3048334	0.82076734	1.1988181	-	1.0938944	1.021899	1.0361824	-	1.3993646
Equilibrative nitrobenzythioinosine-sensitive	0,46994913	0.49531904	0.5670274	0.96419644	0.97268885	0.87457097	1.0759777	1.0062685	0.96267563	1.019853	1.1260031	1.2230355	0.94095314
nucleoside transporter	0 62630089	0.6395043	O SOUNEZES	1 0691475	1 1245549	0 988 1231	1 0525408	0.88369244	0.86313635	0.98118854	0.8895303	1.1369823	1.0889577
CDK102	4 0004342	0.0020345	O ORREGER 7	1 1289405	0.9144455	-			1.019647	0.9251341	0.9098299	0.96910405	0.74322766
MADU adoptomo he ordinates	0.8351456	0 8324003	0 66978496	1 2944975	+-	0.85552514	1.4908929	1.1226276	1.1606281	0.9403333	0.8061768	_	1.2486472
Descript (Dam)	0.84477716	0 7388033	0 79875773	10105406		0.92267275	1.0720388	-	0.92819273	0.8574143	0.75247794		0.77780445
Sonoccorco marker protein.30	0 10437873	0.09291836		1,1751034	-	1.1474496	1,0320355	0.65751	0.8170337	1,0364783	1.4015683	 +	0.87090427
Dhased RCT-89	0.5954438	0.5911851	0.68288153	1.0488504	1.0163027	0.9257058	1,1293125	0.9675681	0.8607842	0.9187344	0.9063843	1.0859551	1.2126415
Carnitine palmitoyl-CoA transferase	1.621366	1.9778488	1.5281978	0.95169365	_	0.8989208	0.93954355	0.8717857	1.1570069	1.3039671	1.2265195	1.0168786	1.0038165
Alpha-2-microdobulin	0.12543653	0.1880419	0.14931838	0.9343721	-	0.82860994	1.6515193	0.65339285	0.7918583	1.1189771	0.9160097	26601/0	0.8/44830
Anolipoprotein Cili	0.62419015	0.58414114	0.4123555	0.94329876	0.98517257	0.8685129		0.64050883	0.9026303	1.256718	0.9488789	1.231/3/4	oocnaz.
Catheosin Leaguence 2	4.1413903	4.82358	4.0171266	1.0810305	1.0625975	1.4416926	0.8298467	1.0271238	0.93862164	2.8414452	1.4512879	1.6233613	1,0440164
Phase-1 RCT-141	3,2296612	6.9163303	2.3801975	0.9169013	0.781802	1.1737773	1.1436108	1.129685	1.0986097	1.2916052	1.0542018	0.7627257	0.7847.0
Phase-1 RCT-289	0.9474728	0.7682819	0.7795215	1,0573394	1,066336	0.8989091	1.0557551	0.8209057	0.9161742	1.2562124	_	1.3915164	0.760050
Endothelin-1	1.1088662	0.9668167	1.0813926	1.1378936	1,0445148	1.2817262	0.93396438	ᅃ	0.9206928	1.3795037	. -	999212697	0.750938
Phase-1 RCT-282	0.68845475	1.1486623	1.0410494	0.9376797	0.9829485	0.9284948	0.9824312	1.0099657	0.9178307	1.0032766	-	1.166/800	4 0046278
Phase-1 RCT-140	1.2755715	1.0285		0.92666805	0.8114068	0.9923118	0.99144363	0.9673818	1.0381533	0.96963413		0.00000000	1001001
Cyclin D1	0.5966351	0.8283043	의	0.95179695	1.0092734	0.8213618	0.92760956	0.9809867	1.0244764	0.55660083	= =	0.0047	1,0032600
Phase-1 RCT-287	0.8071703	0.9708404	0.7235133	0.97998065	0.8924194	1.1287555	1.0315409	1.0374457	0.84/56085	1.1620491	1.0204070	0 70430338	1 9858411
Phase-1 RCT-281	0.85263234	0.69753057	0.7284793	1.0276697	0.7622234	1.0176558	0.9080836	1.01/1852	1.0430136	0.68286330		4 4400000	4474604
Retinal-binding protein (RBP)	1.251445	1.6014091	1.1292146	1.136686	1.2551725	1.084481	1.426237	1.0786796	1.5084844	1.3/8213/	0.804/93/4	4 0000446	4 0000076
ATP-stirrutated glucocorticold-receptor	0.624185	0.5888142	0.5422951	0.9366723	0.8001137	1.1300302	1.0758297	0.85707585	0.85683425	6126122.1	2001 80.1	012071	0.000001
translocation promoter (Gyk)		100000	7007000	70001000	1 4 4 7 5 5 5 4	4 4400570	4 40777022	4 0603E7E	1 1676043	1 0242358	1 1100404	1,1683089	1,0203103
Phase-1 RCT-80	2.3199732	1.91/6954	٦.	4 0106401	1 0080578	1 0370488	0 95734763	1079561	1.0017515	1.1539986	1.0684897	0.9974641	1.4432871
Pyruvale kinase, muscle	7.1410324	1 7582773	0.0783207	١,	1 1607314	0.96156436	1 0912352	0.9760183	1.005397	1,0038546	90980660	1.0913972	0.9829292
PAR interacting protein	1.7082071	2 075570	1 4382755		1 1152691	0.93111694	1.1390778	1.0558496	1,2782239	0.7941501	1.0832835	12344192	1.1649014
Nucleoside diprospriate kinase oeta isoromi	1.0000001	201001	2001	101									
Gadd153	1.5431488	1.6952058	1,5897092	0.90638196	0.96843066	0.8976809	0.83589646	0.9680713	0.96004164	0.8923781	1,0003737	0.83028895	0.98548174
Institutive counth factor hinding protein 1	7.4772077	9.646749	1,6741246	1,2367438	1.2538363	1.2067088	1.217728	1,2859656	1.0474768	2,1500325	1.1949488	1.141738	0.8980807
- T-H-736	1.3059788	1,327043	L	1.0383495	0.98563987	1.1840907	1.0482775	1,104404	1.2867297	1.1091162	1.0370578	1.0000762	1.1228699
N-trydroxy-2-acetylaminofluorene	0.25499564	0.3152328	0.36131755	0.9549221	0.9815674	0.912648	1.0523893	12117546	0.92031634	1.0873955	1.1490573	1,3631811	/grogen:
sulfotransferase (ST1C1)	0.000000	0.44500040	0 6400000	ACALTACA	4 4842445	4 024850	1 9433152	1 0878819	1 2588234	0.84706795	1.0517883	0.9226985	1.1163683
Phase-1 RCT-52	0.39860013	0.44502613	_	1.31/4424	4 97777E	0 78558478	1 17287R4	0.81316113	0 78321135	0.89521384	0.61865648	0.78065675	1.1060873
Alpha 1 - mhibitor III	0.000313	0.4228010	CASSACA	0 02040294	0 9145578	1 013577	1 0997801	0 91935766	1.2876108	0.9334444	1.0759339	1.2940714	1.1928957
Sterd carrier protein 2	0.00707039	0.001 10412	-	4 101277R	0 97355425	1.023828	10	1.0919858	0.98145558	0.7738386	0.9169813	0.939876	0.9774919
Colorandio Bd	0.42005438	0.61256976		1,2329315	0.9380732	1.0429778		0.95278746	0.92043008	0,84254324	1,0543047	1,0770663	1.4979415
Phase-1 RCT-182	0.90876913	1.0611457		0.95959294	1.1186393	1.0371811	0.9949247	0.9571756	1.0689924	1.0125006	1.0125006 0.75401723	1,001911	1.1237267
Cabrarulin B8	0.73806477	0.6858002	_	1.0949107	0.99649155	0.82621294		0.9641639	1.0125518	0.793977	0.74453914	0.9925683	1.2872858
Aldehyde dehydrogenase, microsomal	0.89021677	1.0531714		1.2564394	1.0522046	1.0734015		0.9563665		0.9944133	0.91032606	0.91798973	1.528/3/3
Phase-1 RCT-128	0.72461706	0.48107618	_	1,0329999	1.1524248	0.9332992	_		٦,		0.72485220	1,0072041	1 2747944
Phase-1 RCT-102	0.41254248	0.27633217	-		1.0985925	0.508824	۷.	- 1	1.0054173	0.45209033	0.37040005	1 040158	13228686
Preproalbumin, sequence 2	0.7066922	0.8150197		0.92211956	1.1162556	1.106/02	N-0/111.	0.11/2002	19101011	4 5040743	0.7560RB	0.706657R	13777405
Apolipoprotein All	0.9525993	0.99091434	익	1.6774671	1.2192104	1.22/054	0.9771612	0.65116636	0.912/42/4	1 2485548	0 8828608	1.1947073	1.1778935
Phase-1 RCT-10	0.7470437	0.88640606	0.282820	0.7851204		0.75702757	1 1410823	0.7717118	1.0991498	0,6532858	0.7383797	0.9888392	1,400528
Phase-1 RCT-48	0.00108400	0.78603033	0.60360360	1 0283206	1 1431545	1.1237843	1.1832012	0.8020893	1.0821699	0.9226808	0.7012718	1.0043598	1,2662446
Phase-1 RCI-8	V.1419Uucu	U, 133UB 14		1,0500000									

						2000000	00000	00000000	40064	17007000	0.0450474	1 0212044	1 1483575
Phase-1 RCT-168	0.8597759		0.7220224	1.0462629	1.1402303	1.10460650	1.00307.19	0 0482617	0.9140931	0 95017993	0 98582778	0.8197932	0.6442019
Phase-1 RCI-88	0.693/900	0.95599400	0.6345716	0.8905984	7 02911047	0.8000843	0 7958917	0.85795194	1.2408981	1,019412	0.7192498	1.0272918	1.0551389
Deta-digning Symmase	0.000079		20000	4 944597	0 00000	0.00000	+-	0.8873732	0.0064241	0.35568008	0 61522377	1.2677956	1.0469518
	0.36829093	-	0.2/41844/	+-	-	0.00119779	10	0.51603827	0 6469516	0 21818134	0.5853369	1 2993048	0,8961489
Selli	0.1128221.0	0.20301/71	-		_	4 038 166R	_	1 03217	0 9643396	1.1064429	0.97443044	1 237043	1 1395005
Phase-1 RCI-291	0.65474326	-	0.04773024	1 204507	1 1441783	0 89980274	-	0.87824154	1.2683818	1.08089	1.0292073	0.8185888	1.1473573
Dhase 1 DCT 271	0.81631464	0 908581	0.7150847	1.0753878	_	0.9673495	-	0.9232683	0.91120255	0.7968035	0.7628693	1.0253856	1.4306257
HMG-CoA synthase, mitochondrial	0.83274384	-	0.69510967	0.98765373	0.9690706	0.976898	1.4505692	1.1079396	1.4873179	1.0275296	1.0070657	0.7884471	1.4339507
Phase-1 RCT-189	0.5559788	0.46220037	0.4814428	1.0086552	1.1220528	1.1701125		0.9118889	1.0496056	1.087906	0.89673746	0.8996317	1.2876908
Phase-1 RCT-40	1.0034037	0.8530308	0.8039673	0.9584477	1.0564356	1.0212855		0.89288276	0.8817722	0.97268003 0.9467	0.94673604	1.0502566	1,2375/89
Urinary protein 2 precursor	0.39673893	-	0.39835075	1,0099877	1.1223582	1.1052583		0.82481396	0.908179	1.3100915	1.0346922	7.258272	0.849/443
Paraoxonase 1	0.5513834	_	0.39477864	1.0723425	1.1213222	1.1918526		0.8268871	0.8769804	1.5928524	1.3103069	_	1.0367336
Liver fatty acid binding protein	0.3070056	0.3965497	0.24043185	1,0808522	1.4414902	0.9398744		0.83230766	0.99980494		0.76081216	-	0.88933875
Presentlin-1	0.4914363	0.37238634	0.3230102	1.136706	1.5037582	0.8416828	1.1980721	0.7869749	0.75974256	<u> </u>	0.64834124	0.8/839/6	1.1306444
Phase-1 RCT-38	0.5638173	0.6010841	0.4800534	1.2624466	1.3171362	0.83185214	1.0996178	1.171769	1.0876458	1.1061925	1.1500988	1.5118519	1,3216703
Phase-1 RCT-270	0.31713533	0.3314283	0.2660066	1.0055592	1.0221418	1.0584432	1.230621	0.917407	1.1043437			0.9465089	13650941
Transthyretin	0.4767853	0.39510524	0.28354716	0.925694	1.0649593	1.0430142	1.0870161	0.6881942	1.1540821		-	0.81934637	98//0560
Hepatic lipase	0.48288724	0.44334126	0.36629662	1.1180252	_	_	0.89006656	0.0916272	0.9840803	0.5502192	٠.		15011321
Cytochrome P450 11A1	0.45411703	_	0.47654885	1.1886826	1.1982795		0.9767899	0.7049538	1.0842962	1.5229682	1.2699004	æt.	0.79413676
Phase-1 RCT-175	1.055828	1.5136105	0.7650534	1.1656629	0.91393465	1.1148268	0.91299844	1,030418	1.193435	1.0597614	0.9055804	1.1988739	1.338864
Phase-1 RCT-117	0.73064005	0.9177682	0.7440881	0.8857632	0.9398662	0.794009	0.72554433	0.87855595	1.2696829	0.96390355	0.75640017	0.979/21/2/	0.6846959
Phase-1 RCT-137	0.6888283	0.88552934	0.6477727	1.1329114	1.2717985	1.0440713	0.9050218	1.2086991	0.930078	0.98447984	0.93733186	1.2014779	1,5320246
Melanoma-associated antigen ME491	1.183064	1.1525198	1.0177659	0.8850345	1,1398335	1.1886117	1.1011051	1.107528	0.869832	0.86743414	1.1272734	0.7974557	0.7924301
Phase-1 RCT-12	1.1861581	0.80969983	1.2324103	0.9713572	0.87833254	0.8743198	1.0794019	1.1247871	1.1875986	0.85997707	1,0096121	0.9283074	1.0116947
Phase-1 RCT-152	1,9038615	2.3436167	2.026818	0.93440604	1.1481379	1.0084034	1.0914087	1.0043366	1.215023	1.4748924	1.0913185	12602001	1.15653336
14-3-3 zeta	1.8646452	1.6531961	1,6096697	0.9208501	0.8478094	0.88148403	0.9486937	1.0424389	0.9743778	0.9276852	1.0456921	0.93269116	1.3681663
Cytochrome P450 2C23	0.71327937	0.33882317	0.4674918	1.171954	0.8560863	1.2255848	0.7694954	0.9211396	1.011484	0.7662143	0.48242134	0.67369866	14/63825
Voltage-dependent anion charmel 2 (Vdac2)	1.8207892	2,4026294	1,5569768	1.072399	1.007202	1.0133826	1.290285	1.167717	1.5818933	1.13/2108	1.048/92/	007/107	B)#5#5"
Dieses & Door 45.4	2 2424542	9 3370166	28150227	0.97376433	1 0869392	0 9941529	0.9363217	1.0047578	1.0600618	1.0376146	0.99750656	1.1128929	0.60961914
Fridase-1 RCI-134	7078200	2 8898457	1 320855	1 0570R74	0.968507	1 0107254	1.2044377	1.2432184	1.6476307	1,5030962	1.1641678	1.1524429	1.3086507
Superconde distilluese min	2 055186	2 4390032	1 5227859	1.087673	0.9170278	0.8689754	1.0511134	0.9884758	0.95443976	1.1770171	1.000762	0,7501999	0.8303317
Description 1 Dent 108	1 7109098	1 3954289	1.4653112	0.96753454	0.8641454	0.9598656	0.95471513	0.9088214	1.0000482	1.0061417	0.9777634	1.0784339	1.1025907
Color	4 1628447	5 219233	4.203121	1.0759802	1.0838652	0.8941499	1,0132829	0.966465	1.0430251	0.99291176	1.1240302	1.1363571	0.8723437
Cateramin B5	1.5444068	1,1002783	1,6183009	0.9868152	0.9675834	0.8953738	0.93491405	1.0208158	0.9942059	0.9522239	1.0267328	0.9416349	0.7898463
053	1.6350684	1.549507	1,4160074	0.96177745	1.1536652	0.9543483	0.9370994	0.95851394		1,0004919	0.90284634	-	1.3718901
Phase-1 RCT-205	1.4595677	1.0801259	1.2561373	0.9881128	1.1834087	0.9485072	0.9858624	0.96098113	0.90601885	1.0633568	1.084425	_	0.89262265
Phase-1 RCT-68	0.977351	1.668641	1.2330366	1.0292512	0.9737785	1.060279	1.0595927	1.037138	1.1787753	1.2427368	1.0319047		0.8833346
Caspase 3	-	1.345574	1.6733829	0,8365451	0.71450218	1,0195246	1.0624214	1.108786	1.1261605	1.2/0951	1,442200	_	1,000/334
Alpha-tubulin	0.9565178	0.679482	0.81107765	1.1064637	1.0863098	0.8350997	1.0267411	0.8714227	0.914342	0.7974294	1.241009	1.0319940	0.0000000
Ribosomal protein L13A	2.3670874	2.1578383	1.5810844	0.9783386	1.1213123	1.0636284	1.049043	1,2216935	1,5/29314	1,2112131	0.0805388	_	0.8431575
IgE binding protein	2.0368078	1.1205053	1.2887799	0.9922071	0.9552927	1.0428023	72116626.0	4 244 0607	0.91946363	4 0758175	1 003325	0 973535	0.907438
Phase-1 RCT-39	1,3282126	1.2363253	1.092422	0.9491/7/	4 4 20 7 20 0	1.0180182	4 455786B	771000	1 0581415	0 97829145	0.87129245	1.0250045	1.0805206
Continu	2.004830	1.9063660	4 4256058	1.0773121	0 0306074	4 2483454	0.84581527	0 9921987	0.9156862	1 2188147	0.93584603	-	0,98368376
Heme oxygenase	22231204	21200262	1, 1330030	0.8020411		0.86525565	0.037068	1 1899233	0.9929033	0.82071835	0.92380965	+-	0.86997163
Fhase-1 RC1-241	1 0701013	4 6790974	4 4404888	0.8087833	0575777	1 0042034	1 0534278	0 78551114	1.1152974	1.091868	0.9348629	1.156297	1.2270125
Ribosomal protein 39	4 5755478	4 3367546	1 382023	0.005/25/3	1 1072593	1 0775684	0.9812813	1.024189	1.1017636	1,0585428	0.93366385	0.996589	1.0208126
Arriging Local Property	5 578B4	A 1484057	2 867889	1 00485	0 8983179	1 2789237	1.176554	0.94357618	1,5382729	1,0327706	0.85641885	0.97438073	1.4231238
Phase-1 RCT-180	1,5572282	1,3217336	1.2062231	1.0153166	1.1699657	0.8752314	1.0433127	0.9300399	0.8989515	0.79091775	0.890127	S١	1.5064911
Muttidana resistent protein-1	3.4321015	2.0541956	2.3662581	0.9083537	0.9137271	1.0225953	1.0110735	1.1263778	1.1982965	1,5288288	1.2348312	0.98022354	1.0688647
Ornithine decarboxylase	2.6674852	2.3179746	3,1643207	1.0829935	0.79600984	1.0381306	1.2280579	0.978528	0.9153351	1.0119632	1.0287522	1.1766845	1.1798028
Thymosin beta-10	1,5735148	1.3253361	0.9694758	0.95134825	1.0328171	0.9745186	0.9128686	1.0507609	1,218369	1.1293613	0.9054156	0.9386588	1,5576366
Phase-1 RCT-72	0.5506171	1.1688455	1.1948105	0.95006283	0.9733757	0.9486521	1.0914369	0.9899353	0.9517062	0.8426267	1.0421968	0.920265	4 76259274
Phase-1 RCT-109	2.0017002	1.5736568	1.9256737	1.013805	1.2096984	1.0263801	1.100054	1.0720357	1.2690/2	1.1550494	0.9143849	1.0070400	1700001
Phase-1 RCT-76	0.91144884	0.6627289	0.73725533	1.1208379	0.8151098	1.1174648	0.8289839	0.9902394	0.935/452	4 240207	4 0570052	1 1670054	0 0408469
Vacuole membrane protein 1	2.1989672	21514184	1.7778377		0.9880/0	1,03969121	1.1038828	0.802333	1.20/01.	1.640001	1,000 1000.	1.10100011	V-12-12-12-12-12-12-12-12-12-12-12-12-12-

												00000000	0.0774778
				0 0001 CT 0 88308335	0 88308335	0 93841021	0.8706024	0.978675	0.978675 0.90313625	0.90999913 0.851094-30			0.00
Ohasa-1 RCT-158	0.8528782	1.0217257	1.0114515	VICTOR'S	0.0000000	1 045830	1 045830 0.9387303 0.94883325 0.9381916	0.94863325	0.9361916	1.0337348	1.0337348 0.97521746	1.1634045 0.92725044	0.92/200
Dhose, 1 RCT-413	2,5399585	3.0000212	2.0198162	1.044Z345 U.0413704	0.0413/04	4 4455748	1 022733	1 022733 0 9853415 0.89411753	0.89411753	1.0212339	1,6538879	1,4998394 0,913//985	0.913//883
Endocemers retroveral semience, 5' and 3'	0.9938678	0.6176182	0.6176182 0.68952495	123251	1.232518 0.47000344	2	1					1	
at a second seco					00000	74.05044	4 4 5 5 6 7 3	1 0013711	1.2273529	0.7547822		0.6651123	1.98986598
יייייייייייייייייייייייייייייייייייייי	2.1455996	1.209875	1,783	1.0198948	1.0198948 0.58833426 0.74767077	0.74/8/0//		4 475,8787	1 09439	1.0598484	1.2147654	0.9552781	1.2402505
Beta-adill	1 4580855	1.8278515		1.021930	1.021930 0.94812244	82CALCE 0		4 6707842	1 2058761	0.9117461	1,1461595 0.89470667	0.89470667	1.2839231
Phase-1 KCI-60	1.142385	1,3496808	•	1.7781652 0.97147256 0.77110094	0.77110094	1.0004734	1.1638212 1.0707642	1.0707042	1 1754037	0 98588653	1,0425696	1,0425696 0.86769176	1.2283171
MHC dass I ampen K 11.A (1) alpha and	2,1796882	1,5512561	1,7595508	1.7595508 0.98152924 1.0086865	1.0086865	0.8919374	0.8918374 0.8489462 0.86435183 1.115403	0.80432102	0 05938504	1.1054786	1.0237094	0.9666029	0.98552088
Bax (appra)	1 3698994	1,4838775		1,3819762 0,99913746 0,98129785	0.98129785	0.9882416	0.96233203	1 98233200 0 9300000 0 0030000 0	0.0205226	0 9453414	0.9060245	0,9060245 0.76108334	1.5744919
Carbony reductase	1.6427406	1,0103257			1.0021327 0.89916325	0.8376708	1.2135280	4 2044074	1 1851878	0.92534447	0.9888167	0.847269	-
Bera-acin, sequence 2	4 301578	1.1396447	1,337037	0.9067274	0.9067274 0.94036156	0.9559185	1.040/802	1,2014014	4 9852119	0.96401954	1,2269036	1.0533158	1.1203219
interleukin-10	23215384	1.7151371		1,0358827	1.0358827 0.95744467	0.9776347	1.4443107	1,2391211	1.444310/ 1.2391211 1.232210 0.0343004 0.00200504 0.00363306	0.9816579	0,935583	0.89945227	1.2083801
Figure 1 Control	0.9199034	0.94973946		-1	•	0.98540765	0.0243804	0 8457692	1 0682722	0.93170136	0.9430229	1.1728424	0.7712702
Association basic unitelin	0.5646998	0.6107443	0.6107443 0.54422534	1.042234	1.1096537	0.98/0524	0.8900379			0.6505787	0.67019844 0.87592854	0.97592854	1.3055708
Appropriate against press press press	0.47857672	0.38687155		0.99042004	- 1	0.8240673		1 070264B	1 1132203	0.81717898	1.0907521		0.8635912 0.73499986
Cludulating percentage	0.64792484	0.8278147	1.1579431		.L	0.8090370	4		1 0915889 0 97040343	0.81745696	0.81745696 0.9487723	0.9668241	0.7132616
Plase-I NOT-629	0.89434165	0.7409334	0.7409334 0.9626217	- 1	1.0235074				1 1868298	0.932801	1.1028726		1.1096928
PIESE-1 ROLLO	0.5236378	0.83148134	0.83148134 0.79289913	- 1	0.93621784	1.0086603	- 1	1.095279 0.0412001		0.8622487	1,1089174	1,0597354	1.11071
Inyproprian nydroxylese	1.0618917	1,106641	1.106641 0.94915694 0.98930657	0.98930657	0.8413951	0.9796207	- 11			0.7968089	E	0.9882633	0.99978938
Surorcansielase	0.6408106	0.7515051	0.7719846	- 1	0.8644648	0.78149304	-1		0.8678719	0.9168926	0.9134544	0.9134544 0.93421257	0.7620599
Cagrantin ba	0.8852586	0.9679441	0.96794415 0.91437266	- 1	٦.	0.9152082		0.8953873		0.8659485	1	0.8633387 0.97859144 0.78264374	0.78264374
Pilase I Not 123	0.7810904	0.9989647	-	- 1	_1.	-1	- 1	0 01117835		0.87135345	0.87135345 0.8664372	0.9343081	0.7789228
Accionate 3 (AOD3)	0.92073196		0.9551147	1.0094689	ŀ	1.006212 U.822170	-1-	0 8443565	0.8504803	0.8504803 0.042076282		_1	
Stoond Cod desatirase Ever	0.09101388		~1	0.71576595	- 1	1,8362//8 0,03310/00	Т.			0.7973055	1.1580701	1,1628206	1.1073412
Dhase-1 BCT-64	0.7158292	0.627141	0.7115189	1.3429186	1.	0.03006430	1_		1				
Times Times													
(1) Gene expression data for 24 hour	L		_										
timepoint are presented as mean ratio of													
treatment/control for all 24 hour predictive			_										
genes (Table 5).													
(2) Compound and dose abbreviations as un				_									
Table 1.													
(3) Individual animal number			-										
(4) Liver inflammation classification for									_				
compound-dose group at 72 h: yes-hed.			_									_	
necrosis observed, yes-both, necrosis with				_									
person										L			
(5) Predictive gene (as in Table 5 and as													
Included in Table 26)								•					

Table 29. Expression Data for 24 Hour													
					1	7	7 7 7 7 5 5 7	0367	AP 46	CAR 18	CAR 16	CHCL3 250 C	CHCL3 250
		BUS 14	CAD 1	CAD 1	246	2044	1,5	2046	854	855	1856	돐	1825
Antma Number (3) Liver Toxicity Inflammation Classification (4)	TIO 1745	1/40 IIO	8	2		-	yes-necr		8		2	u ou	9
Ocean Marine (E)											, 0, 0,000	0000000	00000000
Gamma-actin, cytoplasmic	1.49204	0.66414094	0.8666718	1.111525	0.8218571	1.2085281	1.7285603	1.6833853	1	1.0406236	0.70303434	1 9835878	13002892
Phase-1 RCT-145	0.9869101	0.980446	1.1531684	0.95013636	0.9674025	1.4606414	1.8941163	1,338318	0.8451858	0010550	1 0144325	2.4178674	0.8442409
Gadd45	0.75245726	0.9821052	0.9431784	0.96775615		2.248084	25165710	0.78458047	1 094995	1 0938365	1,0033218	0.6371437	0.8716484
Phase-1 RCT-78	1.0704983	1.1592139	1.025525	1.03/201		4 52400	1 0021442	2 065827	1 4370484	1,2802213	1,6670308	1.439155	1.3101397
Fas antigen	1.2360479	0.9835884	1.0658228	0.9866289	1.1449132	1 6413308	2.3680766	2 2864835	1.4427378	1.3881137	1,5386143	3,5830648	1.4085846
Macrophage inflammatory protein-2 alpha	1.1093072	1.0592467	4 0022253	1 08968R5		1.8243084	2,457875	2,2698157	1.0638644	1.04303	1.1443281	2.5847468	1.312327
Integrin beta1	_	0.8582420	1 1221644	16	0.9696736	1,3596162	1.7780957	1.5105662	1.7816856	1.4003307	1.2896867	1.2676375	1.1690223
Prase-1 RC1-20/	1 3409837	0.98473235	12	1.1016002	_	0.97791356	0.8914201	0.8863202	_	0.8304228	0.929993	1.0795975	1.13/6342
Caseln-acha	0.7811341	0.9786442	L.	1.084808	Ш	0.9361627	0.9347567	1.0798084	1.0710111	1.0199775	1.0612640	0 7043695	0.8228937
Malic enzyme		0.99080503		1.0543238	_	0.81401944	0.9448172	0.8276197	1 1962075	1 0875005	0.93352723	0.62005085	0.93498695
Phase-1 RCT-30		0.94174725	_		1.0704811	0.79067	0.6513031	1 0865161	1.1576304	1,05903	1.186671	0.736158	1.0364493
Hepatocyte growth factor receptor		0.95894146	-	1.1302402		4 3070004	4 4592815	1 5401709	0.7863244	0	0.9128637	1,2406976	1.1201105
MAP kinase kinase	0.9838817	1.0395/89	10.73232303	1 2995927	4 4087188	0 9879965	1 1838065	1.0511358	_	0.45240426	0,47522447	0.5792445	0.99922824
Sodium/glucose cofransporter 1	1.00411/4	0.9038/92		١	┸	1 59982	0.9485575	1.6057389	-	1.093559	0.5384949	1.4420327	1.8842391
Phase-1 RCT-27	0.03933170	0.3010047		_	+-	1.1990254	1.3749977	1.2915208			0.95595133	2.9030688	1.0186405
Phase-1 RCT-50	4 0434508	1 0452284	┸-	_		1.706817	2.3180552	2.220798	LJ		1.1264547	1.7672387	1.3316823
Phase-1 RCI-192	1.5688425	1.0287255		Ŀ	ш	0.6979315	0.5772716	0.6385961		0.6263041	0.73704344	0.8263995	1 5163486
Phase-1 RCT-37	0.92684466	1.053153	Ц	Ц	_	1.5247891	1.8626586		0.9342423	0.6933070	0.9207000	2 0240538	1,6266541
Organic cation transporter 3	0.9219961	1,0308381	4	_		1.86884/5	2.7241354	2.0412001			0.9655191	2.542786	2.001232
60S ribosomal protein L8	1.0942562	1.0766976		0.9731745	1,5153639	1.9210103	1 3484633	1.451205	_	0.9958291	1.0325587	5.140148	1.0743979
Zinc finger protein	1.3610433	1.6/283/3	4 028046	1.			20199742	1.7888768	ш	1,3576335	0.8991346	0.8171689	1.4187799
Calgranufin BZ	1 1172072	0.8737182		ㅗ	1	L	1.4758488	1.4039727				1	1.3842239
Dhone 1 DCT 02	1,1755104	0.9162518	_		0.87972826 0.92986155	Ш	0.59804857	\perp		o		┵	1.026000
Phase-1 RCT-145	0,7353713	12			0.99089646	Ш	1.762379	_			26/6180.1	0.37054327	0 85869646
Marth F/G	1.1594794		Ш	-	١. ــــــــــــــــــــــــــــــــــــ	Ц	0.69480646	_	익.	0.7637605	4	1 1054702	1,1577157
Mutt. homologue (MLH1)	1.067806	1.012766		0	_	_	1,459/19	1,3255595	0 00000		Ľ	1,0235693	1.0357106
Phase-1 RCT-79	0.8719254	0.89337023	_		1.1130757	4 4408024	١		┷		L	L	1.5237974
Sorbitol dehydrogenase	1.4126883	1.1958558	4 2023285	4 3435725	_	1	_	1.9441276	上		Ц	Ц	1.0047469
Phase-1 RCT-24	1.3186815	1.0017343		١.	+	┺	L	L	1.132534	Н			1.5891119
Calgrantin 61	1 2377819	1.0568441	+	_	Ľ	Н	2,3757195	Ц			4	2,102/06	1.4968/12
L-culono-gamma-lactone oxidase	1,5704983	Ш		0.636568	Ц		0.34495962		0.49944884	0,68631303	0.60933614		0.9778237
Phase-1 RCT-33	1.3484479	1.2316489	_		_		<u> </u>	4 6576007			Ļ		1.064371
unico	0.74694705	_	4		4	1,5443803	0.5020321	┸	╀	ľ	L	0.75840396	0.8483635
Phase-1 RCT-233	1.2146927	0.97251326	4 99555	1.1200445	4 3003068	1.	0 9182928	L	_	ــا	0.9849631	Ц	0.88017607
Phase-1 RCT-36	0.91034853		ľ		L	上	1,7030543	L		Н	٥	Ц	
Phase-1 RCI-242	4 0245229	┸	1	╩	┺	1		Ц		-	_	4	0.8790887
Phase-1 RCT-185	1.0961187	1	ш	-	\square	–	9	4	익	밐	0.76962084	1,38002130	4 1794572
Phase-1 RCT-179	1.4217837	1,1413467)	3 0.8146477	ᆜ	_	_	4	4	1.028111	L	L	1.151826
Phase-1 RCT-144	0.98928326	0.9512708			4	4	┙	1.5400.269	700074.0	4	L	1.7262594	1,3872033
IKB-a	0.9655762	의		_	4	1	2.1/345/6	┸	4	_	L	Ļ	1.6012229
Phase-1 RCT-225	4	-	_		1.0044086	1 542435190	┸	Ľ	1_	╄-	Ľ	3 2,3689332	1.8346372
60S ribosomal protein L6 (alternate clone 1)	1.2997738	1.01772	1.1154/58	1.4242039						_1	_		703007
Bota tribulin class (1.6603278	0.80514385		1.0500515	5 1.7913461		1		_1		1.066/461	2.6500535 8 4735002	
Multidrug resistant protein-2	0.9125143	0.9161109		4 0.8683396	0.68266934 0.86833966 0.75583655	2.018425	2,1274397	71 2.136595	1.6322926	1,3905455	_		
The second secon		ŀ											

Dhaca 1 RCT 40	1 0 877522651	0 9800095	1 3328769	1 0930429	1 3702456	1 5952138	1 9354672	1.9686404	0.855736	0.8570986	0.88131547	3,5507123	97755206
Calorandin B3	1.0382159	0.9700677	1,1356136	1.0875949	0.94671565	1.1618257	1.6575667	1.4549432	1.0131752	0.9960768	0.9872913		1.3910927
NADP-dependent isocitrate dehydrogenase,	1.3431143	1.0978159	1.0356853	1.10727	-	0.81557596	0.660489	0.7521839	0.7662702	0.8016474	0.7944462	0.78974806	0.7978787
cytosotic							_					-	
Octamer binding protein 1	1.1481624	1.1030823	0.81445146	0.8771996	1.025341	_	٠.	=+:		0.89901966	0.78033155	_	1.0496004
Sodium/bile acid cotransporter	0.853996	1.1589404	0.49294117	0.8253326	1,1542131	_	0.61963344	1,585 FEC.D	-	0.8425334	3.13/3430		0.89709300
Phase-1 RCT-174	0.7804074	0.9746158	1.1426289	_	1.021726	_	1.0626043		1.0275507	1.0334963	1.069151	_	0.99205667
Phase-1 RCT-77	1.2023578	1.1479832		1.1595466	0.93866974	0.975486			92616008.0	0.9611820	1,0313438	4	10/6390
Inositol polyphosphate mutilkinase (lpmk)4	1.4836521	1.042209	0.6900498	4 4650034 3 0005460		0.5555585 0.36934707		0.55591506	0.74315447	0.8155045	0.8448186	0.40130317	0.87892834
Fridse-1 RCI-COO	0.0000000	0.00000	0.724.00004	4 0404907	-		_	0.40746405		0.032421.10	7007777	0.60073806	0 755401
Equiporative natroberzytmomosme-sensuve nucleoside transporter	9180808.0	1.07.28408	0.737£	/051810.1	6.7875104			0.437 10135	0.77 (1803)	0.732/3020	1717	0,000,000	
CDK102	1.0632249	1,0899974	1.0144035	0.9664396	1.2064128	0.94932514		0.95936006	0.9048196	0.95943	0.96033764	0.70366734	1.0171188
Phase-1 RCT-209	0.7647952	0.9375618	1.1178647	0.9336447	_	0.940838	0.7136649	0.765191	1.0159422	1.0770056	1.1422387		0.83454865
NADH-cytochrome b5 reductase	1.1573391	1.1002581	0.8192898	0.8314309	_	0.74879706	0.6924385	0.6322195		0.6376294	0.5334879	0.5435898	0.8681441
Dynamin-1 (D100)	0.845993	0.863396	1.1475768	0.9417752	1.1772211	0.7967314	_	0.7390643		0.83038735	0.79183614		0.7518817
Senescence marker protein-30	1.2688149	0.97245264	0.8535687	-			_	0.82992554		1.0894308	1.0861651	-	0.44338277
Phase-1 RCT-89	1.120274	1.0300634	0.6329765	1.1136876		-	10	0.68809766		0.81335163	0.8981553		0.768854
Carnitine palmitoyl-CoA transferase	0.98035085	0.98262626	0.829016	0.8244926	0.8219019		0.4095522	0.5920589	1.1736177	1.4513568	1.2701486	0.5254142	0.99215716
Alpha-2-microglobulin	0.7485287	0.68762696	0.72522	_	- 1	2	0.16572005	0.2630523	0.8020555	1.3582/15	0.7301/35/		0.12801225
Apolipoprotein Cill	1.1291071	0.99082303	1.0819147		0.81021985	0.6265475	0.5124873			0.02039133	0.6095320		4 905004
Cathepsin L, sequence 2	1.1563909	1.2030499	0.6396/52	1.1254956	0.8209/48	1.8321318	2.8458443	-	0,0000000	4 400 4000	1.2042411	4 5034040	1.0000004
Phase-1 RCT-141	0.953449	1,1784306	3.481505	2850/02	1,703169	1,19301/6	_	1.4063209	1,34148	1.1861922	0.600,60643	1.0834618	0.750300
Friase-1 KCI-269	1,2110971	1,00001.	0.68204817	0.70401/3	0.9033701	0.00448300	-		4 4244806	4 0078758	0.0000000	0.0444425	0.700000
Erdomelin-1	0.85344485	4 049031/4		4 4000040	4 0025003	4 0070050	0.7714/00	4 0440725	00717676	4 070303	0 00000	4 0407042	0.00000
Priase-1 RCI-282	0.7350395	1.0138/04	1,10330//		1.0023003		-	0.07460014	1 1465465	1 0820708	1 1447754	1 1104337	0.8443777
Pressent RCI-140	0.66517920	1 541773	0.85186404		0.04/00/40	1 8282318	٠.	1 9378303	4 OR78484	0 943797	1.3057003	1 1659694	0.9188646
Dhass 1 PCT 287	0.920130	4 444ROAR	0.9546275	0.93000093	0.0388854	0 92699504	0.0542794	0.9782192	0.825867	0.8042973	0.8851985	0.8813375	0.9171513
Dhose 1 DCT 281	1 2274390	0 0472982	0.7426389	-	0 86831208	0.8670477	٠.	0.86578083	1.0707157	0.9831342	1.1922078	1.3463521	0.90852669
Retirol-binding portein (RRP)	1 2147807	1 0771792	0.8312863		0.7517989	1.0256823		0.6403368	1.0074106	1.0549873	1.1076928	0.771629	1,008996
ATP-stimulated glucocorticoid-receptor	0.8820202	0.8126151	0.7132093	1.1360582	0.9352956	0.83607674	0.6653959	0.80801034	1.1992908	1.1586262	0.8686378	0.52280504	0.8476757
translocation promoter (Gyk)													
Phase-1 RCT-60	1.0279002	1.0281534	1.0861787	1.0483392	1,2613648	1.4761486	2.0228785	1.4118925	0.9360632	1.0161315	0.9095889	1.6719433	1.1363299
Pyruvate kinase, musde	1.2499297	1.1480552	1.0774521	1.0461551	1.4214342	1.6428086	2.2181032	2,1696622	0.8044874	0.8092//36	0.7775544	3.186220	1.3050701
PAR Interacting protein	4	1.0018455	1.1052963	1.0979998	1.1271478	1.2514662	1.6109548	1.1780342	0.9763326	0.99182814	0.85177287	1.8309643	1,216//32
Nucleoside diphosphate kinase beta isoform	1,2285272	1.2170374	1.4073727	1.4542128	1,516178	1.902188	2.390527	1.9011159	1.0686402	1.0967051	1.1946473	1.2519243	1.1696349
Gadd153	1.0377822	1.0283177	0.71057004	0.7239225	0.9012818	2,959048	4,2869616	3,3898818	1.5213019	1,3283073	1,3606365	2.9718585	1.122854
Insulin-like growth factor binding protein 1	0.9117706	0.92429423	0.78827626	0.7984562	1,2245544	1.4225075	1.6904492	1.6052614	1.1220509	0.8957977	1.1789569	4.683118	1.3476887
o-H-ras	1.1201024	1.0224457	0.66811305	0.8430361	1.1584285	1.2223715	1.3737329		1.2512568	1.2708756	1.3148922	1,3969246	1.0318757
N-hydroxy-2-acetylaminofluorene	0.9530183	1.2692161	0.61475575	1.0025032	0.7438684	0.6638923	0.37745814	0.44069186	0.73417765	0.79400456	0.7133854	0.6741163	0.5783891
Phase-1 RCT-52	1.1906983	1.0672786	1.3113102	1,2300471	1.0770789	0.882542	0.7555132	0.83096	0.74841535	1.0389056	1.082501	0.400798	0.6852035
Apha 1 - inhibitor III	1.3428322	0.874452	0.5270844	0.4597887	0.45118126	0.4707834	_	0.43591785	0.5728379	0.6374714	0.7406561	0.3595857	0.565803
Sterol carrier protein 2	1.309826	1,0615128	0.9149987	1.2115195	1.2583473	0.8408293	0.74601823	0.92560418	0.67654717	0.816357	0.7490613	0.67799145	1.1216295
Organic anion transporter 3	0.91334987	1.4680489	0.7498769	0.75921434	0.921734	1.0507448			1.2942573	1.218386	1.2057085	0.8621656	1.0174079
Calgranulin B4	2,3258223	1.1197827	1.215907	0.90950745	1.2023371		_		0.95748824	1.1108873	0.85478274		0.9647705
Phase-1 RCT-182	1.0449928	1.0348463	0.6793788	0.880818	0.6001697	0.8337055	0.5663141		0.8692953	0.79300505	0.9749695		0.82190025
Calgrandin B8	1.2093371	0.9791808	0.5150322	0.7691277	0.60072108		0.66375228		0.65843888	0.58369625	0.55408456	0.45041862	0.93256794
Ademyde denydrogenase, microsomer	1.17/15002	1.1563452	0.0800041		4 5305052	0.90712140	0.71473730	0.6069010 0.5669172	0.9009172	0 60825685	0 7008 1899		0.805028
Phase-1 RC 1-128	4 322002	1,0042634	0.800/43	0.92097.01	1,33000002			0.0002300		0.49974048	0.44486722	0.979185	0 7244733
Preomathumin sequence 2	13168972	0.9708351	0.8504032	0.61899598	0.6632786			0.45151454		0.9134773	0.9269916	0.49119145	0.8128443
Apolipoprotein Ali	1,2039306	1.597223	1.8019375	1.429499	4.7399087	_	0.38298878	0.4222446	0,7739253	0.7664845	0.9771956	0.36821172	0.6245456
Phase-1 RCT-10	1,2956766	1.0892377	0.7759586	0.8814262	0.6959261	0.68928486		0.63166016	0.79962285	0.73415947	0.89734894	0.71264714	0.8512102
Phase-1 RCT-48	1.2530143	1.0121841	0.8351429			-		1.1131779	0,7116521	0.7486877	0.6821266	0.85704416	0.905743
Phase-1 RCT-8	1.1403376	1.0737125	0.85854167	0.6623455	0.74528948	0.63336307	0.49350047	0.44418344	0.7397683	0.89495647	0.9006621	0.580201171	0.9004371

				1			los coordes	1000000	24746969	0.8452275	0.8237702	0.73362451.0	0.85967565
8	1.0982225	1.1304932	1.1725396	1.0275257	1.3379147	0.77827434	0.72120040	70795286	1,0077969	0.98750025	1.0005672		0.9213848
	0.76935226	4 0000000	1.32/0424	0.0045573	18216412	0.6981873	0.71824604	0.7618927	1.0903891	0.6317578	0.9031396	-	.91806585
Beta-alarine synthase	1.0541970	1 1817725	0.5929669	0.6353468	0.6629982	-	0.34796885	0.5475329	0.42772046	0.647689	_		0.32890764
Cartonic patriotics [1]	1.1638929	1.0423691	0.8636505	0.5319681	0.7357204			0.24202245	1.1452497	1.6406588	0.77836417	0.03729532 0	0.21200303
Phase-1 RCT-291	1.2189777	1.0985883	0.7386515	0.85638365	0.8441966		0.7628834	0.770144	0.821/449	0.000000	0.0132473	0.33851227	1 2537147
Carbonic anhydrase III, sequence 2	0.920951	1,3402158	1.1584333	0.7155464	0.5553447			0.6119456	0.0001013	0.8633010	0.7872992	١.	0.7308545
Phase-1 RCT-271	1.2564017	1.2406162	0.75485295	-	1.4595602	1.1132439	1,0335475	0.90334090	1 1216697	0.9954959	0.9201164	╘	0.8401086
HMG-CoA synthase, mitochondrial	1.119982	0.89597344	0.622182	-	0.76707125	0.6484668		_	0 77206373	0.85667876	0,9018569	0.8520951	0.8551408
Phase-1 RCT-189	1.1095145	1.081937	0.8649894	4 4478788	0.896120		0.8328738	+-	0.8211058	0.8252744	0.84874886	ш	0.8348457
	1.052/813	1,1394033	1 0062267	1 2821177	+=	+=		-	0.48884594	0.5615355	0.56256294	_	0.4930837
2 precursor	0.004/222	0.8303120	0.8580378	0 9188719	_				0.59203005	0.746118	0.6769486		0.69131094
Paraoxonase 1	1.1234310	0.97030133	0.0000370	0.81774014			0.37165594	0.6075453	0.47928378	0.5505199	0.62686056	_	0.42824608
Liver tatty acid binding process	1 3468500	0.8424526	0.51598895	0.4389325	0,45518765	0.5162263	_	0.47614494	0.5786846	0.6537188	0.7570005	-	0.550/8634
Presentary	1 1581887	1 0893149	0.8614677	1,1112626	_	0.75149286		0.8069179	0.6005413		0.5720821	0.32421005	0.0139339
Present RCI-30	1 403988	0.9655659	0.7355086	0.75157666		0.81291413		0.71934247	0.7251484	٦.	0.67082584	0.4338437	0.860101
Transfer No270	1.3673004	0.88138473	0.6311065	0.5103184	0.5799008	0.50362486	-		0.6311048	0.7395544	0.725/28/	4 04 703 73	0.7.100402
Henatic linese	1,5903503	0.98035944	0.7948307	0.870493	_	0.47272959			0.38419172	0.5046/730	1 0051163	0.6943131	0.8812543
Cytochrome P450 11A1	0.8023136	1.1522769	1.2480237	1.2821064	1.3871305	0.9019488	-	0.5/238833	0.850490	0.00020	1 1262885	0.51846844	0.8655766
Phase-1 RCT-175	1,2391851	1.1901232	0.8045529	0.8178895	0.74328586 0.98643728	0.98643726	_	0.7450308	4 4227057	0.046000	0 0733849	+-	0.75181913
Phase-1 RCT-117	0.7727978	0.99342006	1,2419946	1.0635422		0.74272716	0.750322	0.801/6806	1.123/00/	0.8436316	0.65116876	_	0.90859336
Phase-1 RCT-137	1.5328485	1.2714103	0.84716978	0.96002376	-	0.79553336	0.80864365	1 6214827	0.3034320	1 0057329	1 2318835	-	1.4337863
Melanoma-associated antigen ME491	0.7988351	0.9487007	0.96924436	0.9559595	0.90001506	1.8410462	2 0905646	4 0405565	1 3455998	1 1222386	1.2873701	1.9253509	1.1359744
Phase-1 RCT-12	0.9954492	0.94528955	0.8918211	0.9285/66	1.2556308	21:01:100-1	2 2064083	1 7383051	0.83053005	0.8178273	0.86744034	1.7552665	1.6590614
Phase-1 RCT-152	1.1325012	1.1412129	1.1489742	1.3356917	1.55/6336	1.7000012	1 9235764	1 7558154	1,509641	1,5396113	1.8436518	1.1644213	1.3859208
14-3-3 zeta	1.1481848	0.88901204	0.7335/54	0.9097308	1.04/3013	1,0001000	0.5320421	0 7921318	0.73647386	0.61593544	0.71144366	0.7604188	0.6343869
Cytochrome P450 2C23	1.5966237	1.1035984	0.45114683	0.0200049	4 20772646	4 511704	1 9423338	1 5794472	1.1439148	1.1804931	1.2091378	1.7048194	1,5465922
Voltage-dependent anion channel 2 (Vdac2)	1.400//15	15/0611.1	1.123/292	3								0001007	7,107,10
1000	0.0438074	4 0015068	1 2774769	1.0318981	1.025087	1.7960582	2.0882967	1,4901533	1.0600232	1.0306317	1.1097126	2.1553882	1.413/1/3
Phase-1 KC I-154	1 04525	1.1474055	1.0890474	1.3737698	1.2037665	2.0185843	2.8876095	2.311271	1,1438038	1.0886627	1.214644	2.95485/4	1,016019
Superdixine districted with	0.7356411	1.0009671	0.8956041	0.83408993	1.0036646	1.7368491	2,5379696	2.18114	1.1224029	1.085955	1.0484827	0 93025588	1 0185531
Dhasa 1 PCT-198	1.0797879	1.0669286	1.2242878	0.9263531	0.89654793	1.505811	1.7807065	1.335197	1.05411/6	1.000170.0	0 9467947	2 4244678	1 1573857
Civilia in	0.98661065	0.9710991	1.827208	1.1988646	1.1512	2.0753772	3.015346	2.5912278	2.8839307	C000/17	4 055054	1 5188521	1 0407454
Calciandin R5		0.9579373	1.2400135	1.0683839	1.1412454	1.6527618	1.9931865	1.6307707	1.0432892	1	0.8724052	1 490807	1 3234842
053	1.5228194	0.94331497	0.8390218	0.85483545	0.9701474	1.2743765	1,6323931	1.22/389/	0.8861423	0.8330420	0.84784234	1.5378289	1,2091863
Phase-1 RCT-205	0.9525448	1,002539	1.2277259	1.3401694	1.0983773	1.20.0331	1.7 120332	1 354518	1 2174321	_	1.2079067	1.5669899	1.0758537
Phase-1 RCT-68	0.876555	0.9694255	1.1183589	1.113307	1.0495281	1,20 13/13	773500	1 0408498	1 7690006	L	1.6563817	1.3623506	0.74341977
Caspase 3	0.79958345	0.85986336	1.1/23602	1.074002	1 8149502	1 6296145	2 339932	1.787701	1.1394763	0.99422276	1,2405869	1.4845143	0.9399849
Apha-tubulin	1.8/31143	0 95070094	1 1807262	1.0965607	1.209073	1.4629867	1.6332295	1.9092027	1.0612388		1.1048334	2.8061671	1.8013763
Ribosomal protein L13A	0.7832122	1.0193554	1,5480868	1,7091323	1.5237262	2.3807302	2.453882	2,3325307	0.9268111	╛	0.93377703	4.9149375	1.0/2/43
Ige billoung protein	1 1731839	1.0023216	0,8664179	1.0967039	1.0310755	1.3218073	1,5532203	1.2589144		4	1.1050538	3034320	1 2020405
Coeffic	1.1256178	1.001616	1.0721028	1.1750342	1,0561879	1.4253789	1.7304277	1.3533752	_	10.8904847	0.95063033	27152383	1 1371093
Heme oxygenase	0.7229878	1.1051673	1.1534878	1.2350689	1.2944899	1,3645637	1,3536984	1.4567083	0.027.34084	ľ	0.9790716	1.2909565	1.1504853
Phase-1 RCT-241	0.8804184	٩	1.1733422	1.051228	1.0870377	1.1818763	1.7323387	1.208626	0.8334334	16	10761544	1.8109064	1,1725705
Ribosomal protein S9	1.7409263	1.1375248	1.096857	0.8357224	0.91241896	1.2346561	1.9308612	1 2210805		15	0.98033535	1.6582548	1.3462856
Phase-1 RCT-258	1.0018185	0.98483425	1.2037048	1.0627469	0.8989098	1.1403/44	1,4333807	4 R5507		٠,	1.0559356	1,9414912	1,4516883
Argininosuccinate lyase	1.6798581	_	4	0.7175920	0.8182043	1 1033005	1 3904638	1,1378132	0.93139505	1.0926203	0.927073	1,5412409	1.4008307
Phase-1 RCT-180	1,7705806	-	-	_	0.59902000	4 7054205	2 147129	2,101333	1,7290249	1,5513285	2.077706	10.695147	1,876597
Multidrug resistant protein-1	0.9309531	0.87381035	-	_	1,000,103230	┸	1 5142168	1 4534425	1.7512414	1,8125535	1,8936803	1,5195441	1.5541869
Omithine decarboxylase	1.4534361	1.0427198	1.0/2/96	0.912266	1,6450284	4 4730594	1 8665379	1,8632579	1,0284693	3 0.88435886	1,0969594	2.6280218	1.5133142
Thymosin beta-10	1.23/826/	0 0583420	1.303830	1 2369455	1.0925539	1,4337312	1.8212488	1.5552975	0.9602623	3 0.97241914	0.85511506	1 7905409	1.0706571
Phase-1 RCI-72	4 4634R0	1 063116	1	1,5067303	2.16972	1.4029858	1,5362656	1.6456294	0.987806	0.828809	1.0014424	2,4274035	1,517,517
Present Not 109	1 0412234	0.887687	3 0.794704	1.0211902	1.2636826	0.8438388	1.0055728	0.9174431	1.130934	0.9966123	1.214753	4 0580337	0.0771180
Vaccinia membrane moteln 1	1.0297737	1.014135	1.126903	0.8753317	0.9630072	1,0506928	1.3378757	1.0371903	0.839843	7 0.9332107	0.9041//5	1,02050.1	0.964 1.1841
Valuate members present .													

											0.00000	0000000	4 CAROASS
	0 76747007	0 0244440	1 31092RR	1.0876535	1.0529094	0,8715081 0.95771146	0.95771148	0.9494769	1.0828925	1,0685041	acza/cm	1.4000420	0.00000
Phase-1 RCT-158	0.707	2000	1010101	4 4074000	1_	0 0422407 1 0833543 0.92538774	1 0833543	0.92538774	1.1817627	1,202189	1.2605778	1,6755138	0.9333072
Phase-1 RCT-113	0.8948097	0.8948097 0.89716125	1.24343/2	1.104000	1.18010	1 5000707	C87001 C	7 400487 4 8601419	1 5978316	1.1344993	1,4405288	1.1083918	1.911832
Endogenous retroviral sequence, 5' and 3'	1.2908863	1.2908863 0.84354585 0.67319105 0.83283415	0.67319105	0.83263415	0.7410591	/2/cm2c.r	701661.7	2	3				
LTR				1	**********	4 3500799	4 845738A	4 8209372	22156713	1,9706372	1.975018	1.9930058	2,1564136
Beta-actin	1.5665321	_ [-1		0.0019244	┸		4 4343733	1 5458307	15591791	1,6128478	1.1251483	1.1012527
Phase-1 RCT-65	1.0828404	1	0.7236786	-1	0.7596491		1.3044 131	2 406583	4 703245R	1 6609424	1.8589104	2,2901735	1.4287757
MHC class I antipen RT1.A1(f) alpha-chain	1.0154325	1.1418623	1.1418623 0.79532284	1.119348	0.7831662	1.8345251	1.9632690	4 6803475	1 4134742	1 2759356	1.3882053	1.384386	0.927784
Bax (afoha)	1.1650804	0.97522753	0.97522753 0.78715646 0.68345185	0.68345185	0.8658935	1.100000	4 5744700	4 4042662	1 125839	1 1323282	1,118233	1.6894638	1.4748449
Carbony reductase	1.1185915	1.053322	~	0.6986458	0.7612382	1,3232/10	1.0711192	4 5080120	1 1906937	1.119441	1,0889027	2.0851264	1.5415386
Beta-actin, sequence 2	1.3000388	_1	1.5988495	1.666796	- 1	1,3311931	1.01107	1 19582728	4 1208007	1 1789944	1.1818844	1.209474	1.2901706
Interleukin-10	1.023946	1.0228221		0.67887174	Į	1.07.35/88	4 205220	1 SOR3437	1 1062262	1.1899693	1.1308348	1.8617877	1.2912173
Phase-1 RCT-191	1.1333405			0.9112554 0.94193333		1.1923303	0700077	0 0870184	1 1890218	1 1890218 1 0772948	1,1148618	0.98821086	0.7990444
Phase-1 RCT-111	1.0679442		0.9459041 0.75416946 0.93535554	0.93535554	- 1	1.0/91463 0.9/041	0.626904	0 emeson 0 7667-836 0 6631736 0 71577173	0.6631736	0.71577173	0.6598197	0.5442459	0.83845844
Apoptosis-regulating basic protein	1.066432	1	0.9627779	0.9627779 0.82715094	7	0.86567310	0.0730334	388UZZ8 0.865867310 0.6785355 0.70073424 0.4937074 0.48957288	0.49317074	0.48957288	0.5703287	0.32841995 0.53767204	0.53767204
Girtathione peroxidase	1.1269922		_		ľ	0.78300323	0.002/404/	0.660063 0.78366223 0.66274047 0.72872788	1 120738B	1 073292	0.9630342	0.65174997 0.82122004	0.82122004
Phase-1 RCT-239	0.770281			- 1		0.028277.0	0.43400327	0.003/4140	0.83778584	ļe	1.0857447	0.8840176 0.89408255	0.89408255
Phase-1 RCT-67	0.792597	0.99681384		_[0.8487.20	0.0030070	1.0837842 0.8487236 0.6030078 0.60401914 0.0071924	7000000	O RRN3204	0 79954815	0.5802238 1.0404975	1.0404975
Tryotoohan hydroxylase	1.0661994	_		1.1812866	1.2249675	1.2249675 0.89489156 0.81240267	0.81240207	87376037	4 412114R	1 0548321	0.97086096	0,78323424 0,68688667	0.68688867
Sufforansferase K2	0.9054714		_	0.78853846	0.531617 0.78853846 0.8096202 0.83510315 0.65420354 0.7547510	C1801088.0	0.02420334	0.13261310	0 701384	0 701384 0 77392834	0.7518116	0,906812	0.9095045
Calorandin B9	0,8443567		\perp	0.99504447		0.89999994	0.020070		0 071 55658	C 9894803	1 0204797	1,4745797	0.8578985
Phase-1 RCT-123	0.8202166				L	0.91/0123	0.87264833	0.05300 J. 13000 J. 1	0.00047774	A 05708904	0 98197335	0.8344212 0.74557084	0.74557084
Dhaca-1 RCT-88	0.81079876		_		0.9441257	0.9441257 0.82955104	- 1	0.7700183 0.32047773	0.3204113	0.069038	0 97989714	0.8683586 0.82045597	0.82045597
Agricopin 3 (ACD3)	0.80944425	1.0459886	1.2654737	1.0832825	1.03031	0.8975062	- 1		0.00019140	1	0.909442 0.060787828	A 1729248 0 17397204	0 17397204
Aduation (No. of Prince)	3.3199296	L		0.6098557 0.31414485		4.8568034 0.45643866	1.4607037		0.15580574	ł	07010100	0.42740847	0 7748035
Disco 4 DCT-84	1,1631393	L	0.96515226	1.0249578	1.2659922	0.9037228	0.964183	0.95044464 0.8649797	0.8649797	0.9451050	1	0.001	
Trase-Inc.													
(1) Cone exmession data for 24 hour													
timenoint are presented as mean ratio of													
treatment/control for all 24 hour predictive													
genes (Table 5).													
(2) Compound and dose abbreviations as in	-	,											
Table 1.													
(3) Individual animal number													
(4) Liver inflammation classification for													
compound-dose group at 72 h: yes-necr.													
inflammation observed; no, no histopathology	λfi												
observed													
(5) Predictive gene (as in Table 5 and as													7
Included in Lable 20													

Table 29. Expression Data for 24 Hour Transport (1)													
		_		т	T	Т	Т	т	02 ac 170	28.28	CIS 2.5	CL0 75	CLO 75
Compound-Dose (2)	CHCL3 250		CHCL3 500	CHCL3 500	_		SAC HO	אל אלו	14	324	328	324	325
(V) coprogramme	1626	2354	2355	2356	2	6		_	-	٤	5	2	2
Liver Toxicity inflamination Classification (4)	2	2	2										
Gene Name (5)					, 04000	4 0000000	4 40004 40	4 4034449	1 029407	0.8282655	0.8338799	1,0778693	0.78382444
Gamma-actin, cytoplasmic	4.828458	1.6725786	3,1347418	2.8372360	1.0166708	1.0337392	1 2440423	1 1851947	1.133658	1.0370014	1,0323118		1.025661
Phase-1 RCT-145	1.9688524	1.2414/85	1.6697154	2.0073314	0.8886619		0.72409606	0.9829873	1,5217386	1.1479858	1.2180996		0.76168764
Gadd45	1.0040092	0 956264	0.8040589	0.7710564	1.0628641	0.8607835	0.9622628	1.0011305	1,2277693	0.94511056	1.076718	1.0238378	1.0873106
Phase-1 KCI-78	1 1577528	1.3693476	2.1496255	1.1930344	1,658896	1.4236131	1.8036429	3.0106614	2,3859372	1.1788747	1.3331988	1.1950943	1,3/58305
Macmahana Inflammatory protein-2 aloha	2.8865595		2.010488	2.9682014	1.0882816	0.7840559	1.0066804	1,5919212	1.0074861	1.5734266	1.2595277	1.0704/33	1 1484933
Integrit hefal	2.2970977	1,3405927	1.9414345	2.4737737	1,7085491	1.4780182	1.4246706	1.6488527	2.585UU/	4 2024048	1 0087770	1 0974342	1 211136
Phase-1 RCT-207	2.3826344	1 1	2.2590778	2,4690695	_	0.9970184	1.117147	1.1248664	1 1152837	0.8151757	1.2078322	0.9227272	-
Aspartate aminotransferase, mitochondrial	0.7819855	0.8758946	0.9673178	1.1045349	0.7752967	1 16303185	1 2184283	1 0917028	1.2045925	1.4945416	0.9690299	1.0731939	0.9056321
Casein-alpha	1.039966	9	0.80928303	0.000000	0.68026837	1 2504028	1 0745014	0.795842	1.1842564	0.60937005	0.5432892	0.7601278	0.49870244
Malic enzyme	1.3326012		0.82884520	0.0201949		18773174	0.9833101	0.5186566	0.8657561	0.9718306	0.9787444	-	0.88093793
Phase-1 RCT-30	0.8101216	1.1053045	4 0078849	0.7838703	┺.	0 72370225	0.8859861	1.3491399	0.9965665	1.8213269	1.1627893	1.0963955	0.6814829
Hepatocyte growth factor receptor	1 0.650363		┸	1 1076458	1 -	ß	0.93445826	1.3151636	1.0814239	0.6162756	0.89034534	1.0492274	1.0468414
MAP Kinase Kinase	1 2907004	ľ	L	0.6479125	_	0.40974495	0.49617162	0.3312623	0.35051826	0.66104454	1.1803797	0.6109763	0.807128
Sodium/glucose containsponer	0.00501372	┸	1	0.6328503	L	0.9450406		1.0845821	1.2475827	0.43478703	┙	271715/8	2.7398858
Flase-1 RCI-2/	1 5215645	L	L	2.2822712	Ш	1.092173	1.227109	1.1130536	1.4127111		\perp	1.1114369	1,000000.1
Prize-1 RCI-SU	1 7472045	┸		1,1726967	1.0165868	1.1344378	1.0388281	1.2017347	1.2925192		4		1.1040744
Phase-1 MC1-192	0.4452659	_	۲	٥	Ш	L	1.293204	1,2750105	1.0913733	익	٦.	4 073087	4 0502281
Phase-1 RCT-37	1,8210925	Ļ	1,441814	Ц			1.1988237	1.2206571	1	1.1340243	1.0140513	ľ	1 2236319
Orcanic cation transporter 3	1,9419141	1.5973607	1.8742828		щ.			0,636364	4 0505347	1 2776695		1_	1.175986
60S abosomal protein L6	2,4068107	- 1	╛		7		0.9324404	0.00000000		L.	L	_	0.93785775
Zinc finger protein	2.272137		_	3.465/73	0.9895354	1 0585876		1.0288779	-	_	L		0.97262394
Calgrandin B2	0.79117288	4 204220	4 65 18 77	Ţ	+	┺	1.1104575	1.0960327	_		Ц	0.98967224	1,3260568
D-1	2.3010100	ľ	٩	٢	₽.	0.8432889	<u> </u>	0.8841939	1.0948187	0.75799024	_	의	0.7500759
Phase-1 RCT-92	1 407808	_	1	1	Ļ	L	L_	1.1463454	1.004721	_	4	1	0.8548051
Phase-1 RCI-115	0.4040928		٩	L	┺	<u> </u>		1.3676157	1.3103834	\equiv	_	4	1.015/148
Mattin F/G	1.165122		1_	Ļ	0.7678491	0.6128738	0.63005656	0.46534222		_	1	1.0200714	0.0522865
Phase-1 RCT-79	1.2374657	0.9840915	Ц		_	4	1	0.96159565	1.0006/10	4 3375487	1 0344195	╀	0.986546
Sorbitol dehydrogenase	1.3523139	Ц	Ì	┙	_	1,5665605	1.203266	4 473823		┸	Ľ	L	1.2525018
Phase-1 RCT-24	1.9725536	4		1.3884093	1,20101/1	4	┸	0.712464	10	_	┺-	1.1152295	1.1897835
Calgranulin B1	1.633/75	1.2403033	4 3546875	┸	L	4_	1	1.1452734	1,3346578	0.62491804			0.86905926
Elongation factor-1 alpha	0.0578000	Ľ	٢	Ľ	L	1.6286893	1,0194757	1.0674201		_	9	4	0.705/4/0/
L-guiono-gamma-tactorie oxucase		3 0 87798185	1_	ļ	1,0816144	1.0740836	1.060955	0.9927216	_	_		4	0.6023010
Hase-I RCI-SS	2 2517326		L	L	Ц	1.3544605	-	1.3955567	_	_	0.87650	1.1480077	0.7515053
Dheep BCT-233	0.5168233	3 0.9861062	2 0.60884535	5 0.7044724	4 0.9682763	_	익	0.7730835	1	3	1	1_	7055590
Phase-1 RCT-36	0.63482016	\perp	Ц	٦		_1		0.95693976	1.1193/89	1.10202	4		1.0463378
Phase-1 RCT-242	2.2434483		_	_	4	4	1	1.1516565		┸	L	٠.	1.0406928
Phase-1 RCT-181	0.7274394	_		4	-	1	0.2420000	0.0542878	1	9	L	L	0.7358791
Phase-1 RCT-185	0.56840247	4	٥	9	7 0.74056995	1 0.9012877		0.9077433	1	-	ľ	_	Ш
Phase-1 RCT-179	2,0811687	4	1 2,424524	0 281063	┸	15		10	L		Ц	Ц	_
Phase-1 RCT-144	1.4679184		ľ	ľ	1	-	-		Ш	0.5494151	1 0.72239715	_	_
E-BX	1.85/023	1.1032220		1	1_	┺	Ļ	0.8907595	0.48402348			_	1
Phase-1 RCT-225	2.2026622	_			L.,	1_	1.1624311	1.1506336	1.6571465	0.9207551	1,0123564	0.99725368	1.045468
	4	-	1		0 4000	0.0457700	0 8046087	0 8345172	0 8536087	1,3677133	3 0,5222045	1	1.1848013 0.88728803
Beta-tubulin, dass I	1.6753527	7 1.0757418	2.3142//	1.	7.46/4935 U./8923323	1	1_	L	1	=	Ц		1.091319 0.82362074
Multidrug resistant protein-2	4.252/51		1	ı		1	ŀ	1	1				

				0.10100	0.07007007	1 041376	0 0428289	0.9833307	1.0567831	1.0938528	0.7877361	ഥ	0.95195925
Phase-1 RCT-49	2.171106	- 1	1.7201018	27135832	4 4705403	1,048,7064	_	1 2339238	1,1430113	1,2300916	1.154293	_	1,1325656
┪	1.9398804	- 1	1.8307228	1.0330/04	4 0000734		1_	-	0.94477904	1.0605822	1.5760498	0.9050616	1.0377096
NADP-dependent isocitrate dehydrogenase,	0.5407414	0.7419004	0.64526695	0.53778785	1.0906/31							4	
_		2720000	24000476	9021305	1 1010449	1 0705073	0.8685534	0.78498185	1.3804557	0.91740996	-1	4	1.0289175
	0.90807426	01.8883CB.0	0.74900120	0.01901300	94014709	0.5688975		0.35603064		0.78851163	_	-	0.8708533
Sodiumble acid cotransporter	0.8446514	4 9002572	0.0300304	0.87756777	0.7649		_	0.63710165 0.69252044	0.69252044	1.1696615	-	_	0.87567850
	0.03031027	4 0003082	n 7698387	0 67948127	0.5551181	=	0.54396653	0.54806805	0.5657731	0.9993576	_	0.00140014	0.022405 0.76777405
Т	0.0000010	10	0.4857754	0.5135371	1.1576368	1,221213	1.9757322	1,5182499	1.3116298	0.5811398	-	_	0.0045482
rate muthkinase (ipmk/4	0.000000	0.0001000	0 38030937	0.30344102	1,7338086	1.9600948	1.5241872	1.4906304	1,5264934	0.5318754	0.7647484	4	0.5515165
Phase-1 RCT-256	0.55851847	1-	0.30207005	0.22751956	0.48801377	0.6103079	0.5556062	0.4252173	0.39977416	0.6266845	0.9646797	0.023000	10000000
							2720007	4 00711990	4 22019PA	0 8376017	0.8640477	1.1285463	1.2543888
	0.74193525	0.92906916	0.7193355	0.6016049	12135341	1.11895/8	1.1386/4/	1.037 1350	A 8708121	1 3150768	+-	0.90994906	0.9927824
Dhase-1 BCT-209	0.74099668	0.84431463	1.0081911	0.8197826	1.1902745	0.9589534	0.9453230	0.0434040	0 80583083	1 0179839	-	0.7635927	0.7030792
b5 reductase	0.63538766	0.66990155	0.5664694	0.37736794 0.70002043	0.70002043	0.9468368	0.8289230	0.4180703	0 7902838	1.1144723	0.84852153	1.0052273	1.0230585
	0.8401772	0.9444392	0.8206269	0.78950316	1.27.20165			0 55802315	0 39178944	0.570138	1.2732934	0.9864362	1.0504204
	0.28571764	0.17731023	0.12913056	0.0896802	0.93630666	0.00/0	-	0.7770	0 6823449	0.58293074	0.94359547	0.86704373	0.90516204
	0.4762353		0.532439	0.4468516	0.8273964	1.1/03824	0.80584805	0 91978RT	0 99209064	27314692		1.030472	1.3151957
	0.89938945	0.8252128	0.7697724	0.8312542			0.0000000000000000000000000000000000000	n 58948206	0.53348154	0.26047796	0.5470662	1.7903794	1.2789483
Alpha-2-microglobulin	0.54802805	0.45449722	0.4344246	0.3474565	_		0 7565033	0.8916003	0.78410363	1,0393406	1.1187668	1.1189816	1.125669
	0.7942825	0.77774477	0.7203525	0.9100906	-	U.00004104		0 04474103	1.3529702	0.9270976	1,2141223	1.0773492	1,0117935
Cabanein Semience 2	5.1170008		3,539198	2.7840476	1.4868818	8/LV/8'0		4 8478047	1_	1 6340156	4.048463	1.236011	1,5229833
Phase-1 RCT-141	1,2939893	1.4726866	1.9433125	2.2563689		1.1/04940	-	0.66072176	_	0.68325925	0.79201216	0.9074307	1.0459032
Dhaea 1 RCT-289	0.6344774		0.78550816	0.6501362				4 200025	١.,	2 010094	1,1393813	1.117821	1.1335326
Endothelin-1	0.99322045	0.9644367	2.4000793	1.0644664	1,000449	1,2044/45	1.430770	0.7650480	1.	1 0564972	1.0583316	0.9574204	0,8550486
Phoen-1 RCT-282	1.058833	0.95796293	0.9718093	0.96370715	0.91248035	0.8298612	1,2000424	4 2580634	1 1460073	1 2696506	1.0527865	0.9273884	0.94934726
Phase-1 RCT-140	1.231879	0.99452883	1,2545766	1.3147919	1.4209918	1.0938681	1.1288424	0.5591664	┸	0.5751118	0.6859558	0.9282849	0.8780679
Conjuncti	1.3749746		0.87381047	0.98352826	1.2063/14	1.350342	4 0094040	4 360844	L	1.0650374	1,4010142	1.0670789	1,0098993
Phase-1 RCT-287	0.70109403	\Box	0.70885935	0.725649	1.0350/98	1,2014109	0 7342220	0 6962252	0.68374765	0.9947918	0.9102104	-	0.81531936
Phase-1 RCT-281	1.0016257	ٵ	1.0062927	1	┵	0.65465950	0.6411443	0.5906469	-	0.6998275	1.1360341	0.854132	1,0154434
Retinal-binding protein (RBP)	0.77490944	- 1	4	_		0.22000000	0 7593017	0 5838844	-	0.6376737	0.95063984	0.9297493	1.1746482
ATP-stimulated glucocorticoid-receptor	0.44908816	0.6137268	0.48754156	0.42/99363	o.ecceno.	2000							
translocation promoter (Gyk)		_	1		0 9050577	O 80383855	0.8874514	0.8481272		0.7377868 0.95238376	1.0085512	0.9080872	0.91648597
Phase-1 RCT-60	1.5137877	I	\perp	1.4/88301	┸	1 0498942	1 0295482	1.112782	_	1.8185265	0.7661569	1.1544617	1.6451802
Pyruvate kinase, musde	2.158049	_	1		3	A 9826228	1 0083088	1.0596166	L	0.92311573	1.023355	1.049854	1.0367074
PAR interacting protein		1	1	1.0112022		0 94812464	0.99879676	1.3606321	1.1420627	1.1557537	1,6733311	1,0044122	1.0485855
Nucleoside diphosphate kinase beta Isoform.	1.1105108	121121	1.6729000							_			, 0200
	4 5045422	4 28R58G2	3 0381384	2 9541683	1.7389618	_	1.2607881	1.3025993	- 1	-	0.94116515	DOLAICZ L	4 6323474
Gadd153	200000	L	L	L	1.6317682	1,6031494	1.5778029	1.2130103	- 1	4	0.3000301	4 4747654	1 0280901
Insum-like grown racor printing property	0.0768938			<u> </u>	0.97525173	1.3131206	1.1269218	1.3974054	- 1	1.2268939	0.0330191	0 7561622	1 0482459
C-H-ras	0.30853784	10	0.13114235	0.115727775		0.5331641	0.47785357	0.4031899	0.41455/6	_	0.730004		
National Control of the Control of t				- 1			L	L.	A 840050A	1 1429659	1.380334	0.8380112	0.8629956
Phase-1 RCT-52	0.4295589	0.6032386		_		ս_		0.6190303	1	4	0.9722624	0.7224569	0.62072208
Alcha 1 - inhibitor III	0,29844388	7	4	_	<u> </u>	1.000052609	0.072134		<u>'</u>	12	Ľ	0.9616438	0.9547945
Sterol carrier protein 2	0.6291517	_	٦	_	1.2831058	ㅗ	Ľ	-	1	0.5749831	0.69597006	1.7660377	1.1464902
Omanic anion transporter 3	0.96936953		_	4	_	4	- 1 -	┸	↓.	Ę	0.9111136	0.9839418	0.8448431
Caldranulin B4	0.69133558	១	۲	1	Ţ	_	0.8484109	ľ	1-	_	1.2042272	0.7878318	0.7665625
Phase-1 RCT-182	0.6963694		- 1	1	_	4	4			L	_		0.6771312
Calgrandin B8	0.6126511	1 0.9300699	8	3 0.7457458	1.24/6/53	Д.	1	1	L	┺	L	1.121	1.02648
Aidehyde dehydrogenase, microsomal	0.5615353		0.7070707	1	l	1	١.	ш	3 0.8764695	_	_	_	1.0063609
Phase-1 RCT-128	0.3623458	1	┸	ľ	è	_	1_	0.5806189	_	_	7	-	0.7123037
Phase-1 RCT-102		4	1	┸	-		12	0.920422	5 0.76762086	8 0.5764801	4	=	0.77022
Preproalburnin, sequence 2	0.47577742	2 0.9240276	١,	4	1.			0.92676437	7 0.7758548		0.33476028	4	1,5/30030
Apolipoprotein All	0.4113633	7 0.43201012		1	1_	-	0.9566498	1.0531133	_		1.1099778	CUCO088.0	4 0406045
Phase-1 RCT-10	0.5636/73	7941555	1	1.	┺	0.79842746	닏		3 1.0503836	6 0.73353255	0.706562/6		0 8495931
Phase-1 RC1-48	0.5460742	ᆚ	L	Ľ	6 0.7436875	0.81092745	0.9416844	0.8210820	6 0.732UB	11 0,5551705	1.1133014	┛	
Phase-1 KCI-8	2,477	1		1	1								

									}			1000011000	0377030
Phase-1 RCT-168	0.6214957	0.85984373	0.6615893	0.5881366	0.9644471	1.1974081 0	.97638535	1.0983257	1.1990459	0.7025182	1 0347624	0.09/61/000	0.9521.159
	764174	1.0582324	0.77100515	0.7260993	1.1475767	0.9766096	1.3402203	1.1951905	0 06813014	0.5467155	0.97559595	1.2848042 0	98263425
thase	489406	0.59309256	0.46302894	0.54631907	4	1.6164509	1.328409	at.	4 2444528	4 0485344	0 82894534	0 88450927	0.6070795
	0.19991978	0.30217764	0.22438249	0.14706162	60239	-	1.086/645		00011121	S S S S S S S S S S S S S S S S S S S	-	Ŀ	1,5381652
se III	007272	0.14827509	439891	0.078798965	1	1.1384124	1.8581811/	0.3382440		0 93828034	1.2458768	0.8452637	0.7624245
	0.5817197	0.8611236	0.562176	٠.		1. 100 1020	1 1380287	0 83619287		1,0055387	1,1228882 (0.95905983	0.7340287
Carbonic anhydrase III, sequence 2	0.42348588	1.2046717	0.7284644		0.89233000	+	_	0 7956316	-	0.92082286	0.7897346	0.8834405	0.8655503
	0.6158222	0.64/6/88	0.73516	0.0000228	4 4038354	_	1 1926126	1 1097995	1.3957187	2.5080449	1.070816	1.1995232	0.7757572
e, mitochondrial	0.46878073	0.7501668	0.202220	0.866738	1 0774378	1 603178	1,5266793	1.2138711		0.78279704	1.079618	0.8814318	0.9514846
6	0.65693337	0.6165097	0.5661494	0.4601151	0.8359762	1.0648195	0.966093	0.9420123		0.73441654	1,2431074	0.8566524	0.8540801
Phase-1 RCT-40	0.0303337	0.4126689	0.33035567	0,34911394	<u> </u>	-	0.50483924	0.51428366	-	0.48215374	0.8605969	0.7523483	1.0689827
Oracin Spreament	0.40308002	0.5798943	0.44739625	-	0.53107595	0.47450885	0.5320101	-		0.6328357	0.9353516	0.64992/5	7054729
Parackonase 1	0.21266189	0.29882622	0.24823976	•	455	0.92377585	0.5292841	-	_	0.89539677	0.92011094	1.6357622	1.45/6445
Chestally acts through protein	0 29833418	0.6240938	0.38583082	0.4166537	0.4144929	0.8755987	0.69539183	0.48681557	0.5212865	0.5849707	0.9958333		0,00084575
Presentin-1	0.44204872	0 65610504	0 49117807	0.32855344	1,4207782	1.7188926	1.3251982		1.240316	0.4940798	0.67735785	1.0868759	1,0166274
Prase-1 RCI-36	0 5247004	0.8135929	0.51454175	0.45353308	1.0843389	1.2404761	1.0791998	-	0.93529415	0.7815947	_	0.87746878	0.8478526
Treathing	0.4016867	0.45656165	0.36814842	0.36930302	0.7022638	0.31038094	0.38319373	_		0.5801787	0.6188/54	0.6/4/030	0.0030043
Hansayienii	0.7065453	0.46004468	0.48247787	0.6394408	0.7185957	0.8227764	-4	0.4684192	351	0.47405288	0.7814818	0.7/41450	0.700007
Catadama DAC 11A1	0.7659088	0.92924464	0.8307279	0.66677688	ш	_	-		0.81692274	1.1285692	0.98105454	٠,	0.9200343
Cytodinatio Table 1151	0 8635782	0.8822185	0.95031714	0.5381807	1.1814674	0.99330336	0.9285748	0.8520116	0.85747904	0.9553227	0.9303832	+	1,050000
Diese 1 DCT-147	0.4725038	0.6205995	0.49541178	0.60139704	1.9381273	1,670123	1.3210906	1.2988324	0.961409	0.7629294	COSSO-1	. .	1,0300020
Dhose 1 Det 137	0 6672357	0.93248135	0.8153182	_	0.45532373	0.5268652	0.476658	0.4004778	0.47077873	0.74740785	1.0283815	-	4 0000747
Stelleneme executated entires ME491	13791602	1,1710053	1,2296801	1.4669724	0.986367	1.0736835	0.9857694	1.0015023	0.97840834	0.9698131	1.013202	0.37.30/44	0.70707
Others 4 DCT 42	1 2756582	1.0106765	1.5688204	1.318987	0.87896705	1.0238414	1.0179986	1.0760834	0.9468527	1 2084297	0.7116928	1.16/2/89	0.8470773
Phase Not 15	2 091083	1 2810138	1.3486449	1.5629497	1,0711147	0.94134474	0.7373906	0.80225015	0.82010853	0.7496445	1.1004348	0.9144024	4 000000
Phase-1 KCI-104	4 0416331	1 212394	2 0705886	1.3541808	1.3820266	0.9678749	1.5040133	1.5475848	1.3681266	0.94236887	0.90747404	12143873	220523
14-3-5 Zeta	0.4660759	0.57598126	0.32476246	0.30310202	0.71391326	0.80007255	0.67533433	0.49869555	0.6327576	0.73612463	0.8895893	0.91977227	0.8271142
Cycorrame P450 2023	1 6781572	1 1982428	1.3465966	1.0343394	1,5046062	1,2954656	1.3453301	1.2795527	1.2840881	0.7899448	0.8135337	1.137225	5/CD581.1
Adiaba-depailed and a mini a la como					_					000000	4 000000	700000	0 00030656
Dheep-1 BCT-154	1.7245204	1.3795067	1.5410916	1.662294	1.1497729	0.98658276	1.2215265	1.1662238	1.1053346	6870980	77000001	4 5747578	4 FSBR021
Commide dismittee Ma	1,5104393	1.6049261	1.5720065	1.8577825	1.3448886	1.1202965	1.4254324	1.4426531	1.601/439	1.094141	0.00430505	4 4500053	4 0462063
	1.7830541	1.298595	2.1622064	3,679885	_		1.3436288	1.1122122	1.1182342	1.68/8546	0.0053044	1 2048362	1 1127079
Phase-1 RCT-186	1,402073	1.0802692	1.3466215	1.5347892	_	331334	0.65148765	0.54815716	0.53351545	T.00100.T	10000000	4 4846812	1 7081167
Conting	1,2865088	1.7635794	2,2096837	2.8959618	_	0.83549386	1.0905935	1.2311877	0.97449523	1,3104847	200778	1.101012	1 2474394
Calmandin B5	1,5047964	1.1068372	1.3280394	1.3659692	1.2025658	1.3729659	1.5565783	1.5201155	1.1604512	1.1334434	0.91703077	-	0.03287784
053	1,3869592	1.0909461	1.1376187	1.1611143	0.9149908	1.0283021	0.988948	1.0234778	1.0392927	4 4424005	4 4484385		1 0257899
Phase-1 RCT-205	1.2712562	1.0334775	1.3105564	1.7285874	0.81014216	0.9596918	0.9565604	4 950034	4 2501887	1 1008714	0.9460077	1.0381862	1.0394188
Phase-1 RCT-68	1.2689751	1.235218	1.7443765	1.3422408	12381139	1,025017	1. 1320034	0.00002104	1 4533911	1 1268716	0.7667105	1.1600553	1.2895753
Caspase 3	0.9565896	0.88819253	0.9413176	1.1959906	0.75361806	4 9613238	4 221916	1 2882197	1.3444145	0.68364227	0.9477473	1.1435415	1.1373976
Alpha-tubulin	1.3164428	1.0752157	1.096357	1.000010	4 6264427	4 53323355	1 3256055	1 8739731	1.8008224	0,6684468	0.6651767	1.6368532	1.5070733
Ribosomal protein L13A	22113428	1.5050001	1.050112	7 20 46007	0.0575870	1 1243645	1 2497979	1,2329196	0.977197	1.2092645	0.8146161	1.0462023	1.248985
1gE binding protein	2.007.5507	1.9104304	4 2007004	4 268AR21	1 6215599	1 4115503	1.349628	1,1377786	1.0491628	0.8174416	0.887948	0.94084823	1.0248312
Phase-1 RCT-39	1.7219308	1.372/3/2	1 2080422	176751	0 802887	0.8435684	0.96640533	0.8996427	0.76628885	0.9727799	1.3761318	0.757438	0.87009406
Cottin	1.2.103010	1 4181974	1 9007862	4.472455	0.99445117	1.0782809	0.817642	0.7281281	0.71168125	0.8934096	0.8510598	0.9372743	0.71618/9
Heme congenase	4 5003951	1 2494702	1,4005688	1.8080631	0.7251883	0.73250955	0.7304468	0.80570438	_	1.5475765	1.2616662	1.0128397	1,0/34828
Diboomal protein So	1.1839602	13214	1.6653782	1.5268471	0.67884916	0.6371657	0.6926009	0.60145855		0.91450043	1.5035032	0.8823701	1 05/8/01
Dheed 1 DCT 258	1.7928323	1.4302068	1,5394285	1.6584333	1.0626582	0.985078	0.9363327	1.1128812	١.	1,1790006	0.980/834	0.0024758	0.8858473
Aminimencinate lyase	1.8944308	1.1376382	1.861319	1.3540685	1.1580272	0.80881697	1.1280862	0.81045683	0.7526506	1.103141	4 520000	1 0851108	0 9510201
Dheer-1 RCT-180	1.5051446	1.2572634	1,8287534	1.7213008	0.98619616	0.94693565	0.97155553	1.038763	0.94594777	1.6228701	1,0000000	4 4874708	0 742881
Muttidaya resistant protein-1	4.234022	4.0481467	3.405581	3.0688853	1.7220082	1.6474925	1.9830111	1.5504/04	1.8336/41	1.0010031	0.0507344	1 1665722	0 82442814
Omithine decarboxylase	1.4205314	1.1245701	4.25675	0.8829816	1.6334985	1.7626339	3.480216	3,0108651	4 5247775	0 77462137	0 9903091	1.097345	1,5103061
Thymosin beta-10	1.8628675	1.813572	1.6749557	1.5710407	1.459226	1.2739256	1.0923587	0.0000434	0 04036808	0.8320238	0.94611114	0.97541785	0.9330528
Phase-1 RCT-72	1.9403309	1.3332051	1.3714188	1,3946064	1.135691	1.0744300	1 0831156	1 1038141	1 2159032	0.6416536	0.7212179	1.2153028	1.4855807
Phase-1 RCT-109	1.8851091	1.60208	1.3969626	1.028309	1 13524B	0.9651572	0 8294944	0.99766827	0.6727448	0.6888051	0.6863273	0.9622163	1.028692
Phase-1 RCT-76	0.91591984	4	4 4045438	1 5294667	0 76217896	0.46128958	0.48843452	0.44128874	0.48627126	0.6788094	1.1652225	0.6837636	0.74942803
Vacuole membrane protein 1	0.946192	0108/12/1	1,101,01	1,040,000	×					ĺ			

			,,,,,,,,	1,00,00	07077007	1900000	0 0340646	1.0812663	4 0812683 0 77937794	1.5613852	0,99735534	1.030472	1.1866464
Phase-1 RCT-158	2.2872322	1.0703703	1.401611	1.304024	0.004	0.0000010	9705000	4 0305817	O 7841001	0.7841001 11118205	1.0425553	1.0100263	1,0588947
Phase-1 RCT-113	1.2038136	1.2971843	1.1809667	1,5307461	1.0099/42	4.670040	4 4884516	1 2441531	1 539076	1 539076 0 50923487	0.56461406	1,2685239	1,4342458
Endogenous retroviral sequence, 5' and 3'	0.8517811	1.9804286	0.84681493	1.4089309	0.7/94915	0180/04/1	200	247					
LR		, 000,00	7070720	4 9749663	4 8302432	1 0005865	2 2815988	3.8257785	2,5394576	2,5394576 0.65543354	0.88679135	1.0397253	1.5636549
Beta-actin	2.9754467	1,6723.1	3.0749194	0.00000000	4 44 46530	4 4958123	1 1785527	1 1819371	1.115687	1,115687 2,097979	0.94284207	1.0492948	0.8185152
Phase-1 RCT-63	1.1493808	1.298894	1.20381/4	0.90309990	1.4110330	4 4000004 4	4 4 20 9 7 2 4	4 047870B	1 0478708 0 94009378	4.6249814	1.0354873	1.0349331	0.9016768
MHC class I antigen RT1.A1(f) alpha-chain		2.0193954	2,7152183	1,235,033	1.0312203	4 4507096	1 525885	4 1083931	0 9819619		1,0283289	1.2830487	1,1199355
Bax (alpha)	0.9587475	1.1464725	1.1948808	1.2284555	1.204995 1.5221021		0.8466882	O 7547748	0 9103994	1 292442	1.2107755	1.0316017	1.1252222
Carbonyl reductase	1.681004	1.3940912	1.6068825	1.744/444	0.78923314	0.605000	0.0130002	4 4575704	0.9056588	0.5332612	0.59130627	1,3835301	1.0428021
Beta-actin, sequence 2	1.7039471	1.6030809	1.6907125	1.3246548	1.3246548 U./ /628UUD U.8263544	4-944449244	4 27EF02E	1 1747713	1 3248788	1.1924308	0,96421856	1.052281	1.074933
Interleukin-10	1.8509511	1.3351427	1.3174992	1.3448355	1.40/1083	1.3141/0/	12700314	0 7300314 0 84228237	0 6224721	2.3776848	1.0801154	0.92923445	0.8220799
Phase-1 RCT-191	1,692554	1.2869703	1.8166823	1.2883978	1.28839/8 0.94198900 0.72313303	CUCC162/0	0.7333314	0.0405023 4.0594448	0 7938695	0 7973827	0.7310391	1,1141933	0,8745094
Phase-1 RCT-111	0.93757707	- 1	0.82023644	1,1431997	1.03/2134	1.07 1204	4 424 4007	1 1240153	1 0734001	0.6625461	0.8301615	0.8301615 0.787369851	1.1340067
Apoptosis-regutating basic protein	0.631881	0.5894236		0.4648233	1.13186/1	1.18311/3	0 7050058	0 5332434	0.51320326	0.5851469	0.9701291	0.9701291 0.6996814 0.67146355	0.67148355
Glutathlone peroxidase	0.3558191	•	1	0.26535416	1.2489941	- 1	4 2200453	4 0724903	1 3306426	1 8431084	1.0658231	0.8572584 0.77431405	0.77431405
Phase-1 RCT-239	0.60219836		- (0.6013878	1.3705628	- 1	1.203153	1.5416204 1.2209155 1.0124905	0 7594115	1_	1,0209013	0.93133044	0.92697
Phase-1 RCT-87	1.0033432		٦	0.89496154	0.881010	1	0.00020000	0.00020454 0.001410 0.000000 0.000000000000000000	0.85352194	0.73457974	0,9305915	0.9775398	0.99731255
Tryptophan hydroxylase	0.65135324	0.6522297		0.48455912	- 1.	1	1,243/01 0.8388002	4 4480803	4 5004354	0 6659014	0.5919502	1,1351444	1,4801426
Suffortransferase K2	0.7165428	0.7165428 0.68565714		0.48661794	1.1/83153	- 1	7.221/430		O 8445323	0.8984972	1.1610653	1 1610653 0.84358543 0.71969867	0.71969867
Calgranutin 89	0.734275	_1		0.93844885	0.93844885 0.84636107		0.8566687 0.8106510		0 0276012		0.88410264	0.88410264 1.0372825	1.1503855
Phase-1 RCT-123	0.86481196	1.1506449	ା	ľ	- [0.941/201	7.20/0584 0.941/501 0.835604 0.9504	0.8041947	0 9457892	L	0.95223916 0.87346196	0.87346196	0.7989134
Phase-1 RCT-98	0.7602638	0.7602638 0.8368164	┙	힉	1	0.30300000	4 03550A	1 0870075	1 1876874		0.8922126	0.9805869	1.0121502
Aquaporin-3 (AQP3)	0.87884134	7884134 0.9298155	0.8879694		82010CU.1	1.0561029 0.08013010	ı	0 32019416	0 15513407	0.09878019	0.050004 0.05000416 0.15513407 0.09878019 0.050004993		0.16062753
Stearyl-CoA desaturase, liver	0.18599379			9	0.16433043	.1.		1 1408403 0 0702851	1 1728578	1 3008895	1.1831732	1.0196224 0.77084696	0.77084696
Phase-1 RCT-84	0.68657213	0.7948851	0.63768697	0.5070482	1.1261336	丄	1.1400100	0.0102001					
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of													_
treatment/control for all 24 hour predictive													
genes (Table 5).						L							
(2) Compound and cose autherications as an Table 1.													
(3) Individual animal number													
(4) Liver inflammation classification for													
compound-dose group at 72 h: yes-necr,													_
necrosis abserved; yes-both, necrosis with													
inflammation observed; no, no histopathology	3												
observed													_
(5) Predictive gene (as in Table 5 and as													
included in Table 20)													

Take 29 Expression Oata for 24 Hour												-	
Timepoint (1)						1							
	,		0.00	0900	Т	C C7 48	CI 07 45	CLO2 180	CLOZ 180	CLOZ 180	CMC 30	CMC 30 C	CMC 30
Compound-Dose (2)	CLO 75	CC 0.250	1844	1846	2424	25	82	4	LQ.	2436	154	155	158
Animal Number (3) Liver Toxicity Inflammation Classification (4)	8	OLL	2	2		_	2	2	5	2	2.	<u>E</u>	2
Gene Name (5)	O BR32040B	0 7769618	0.7060872	0,64599955	0.886831	0.7804518	0.7148457	0.8918829	0.8274213	0.7739847	٧,	ςī,	0.73981200
Garria-acm, cyupasinc	0.05423838	1.0116105	L	_	0.89749867	0.867854	0.9413139	0.9152813	0.945638	0.9147869	1.022/491	1.1880467	1.0030000
Prizability in the control of the co	1 1293821	1.0778009	Ļ.,	L	1.1427332	1.0090585	1.0248095	1.4100426	1.2979765	1,8108071	0.81245/6	0.7252400	0.007720
Dheen 1 RCT-78	1.1120224	1.037546	1.0312718	Ш			0.9788164	1.0018809	0.8982704	0.8865598	4 2550524	1 2571508	1 0056059
Figs orlings	1.4303813	1,2577068	1.2590275	Ц	9		0.96814287	0.9221914	1.0334537	0.89109397	4200004	0 04049535	4 3424572
Macmobace inflammatory protein-2 alpha	1.1593039	0.9518957	0	Ш		0.8488313	1.0639075	1.0813316	1.20/0/69	1.230190	1,1300030	4 4004058	1 0946438
Intendin hetal	1,1895391	1,2759743	1,187599		0.9876833	1.1289806		1.1523081	1.042288	0.9051090	4 4086A28	0.08226583	11430531
Phace-1 RCT-207	1.0325438	1.2120092	Ĺ		0.812847	0.85532224	0.98948574	0.85924345	0.92965424	4 0040282	0 80786383	0 9848797	0.8710688
Asparlate aminotransferase, mitochondrial	0.82418084	0.96156484	0.9668862	0.9204375	1.0523874	0.9827221		0.60091745	0.78402023	4 0082408	4 0652158	0 9674801	1,1134981
Casein-alpha	1.0088611	0.9902615			0.8868397	0.8268372	0.9841983	0.8664U6U2	4 0503544	1.0002133	1 0343374	13551978	1.237853
Malic enzyme	0.5259138			<u>익</u>	1.0483837	1.2661838	1,123044	0.0039141	1 0331252	0 9142412	L	0.95902866	0.9805933
Phase-1 RCT-30	0.711838	-	긔	4		4.4045694	4 4776795	4 0670543	1 1887884	1_	L	0.9376215	1.079284
Hepatocyte growth factor receptor	1.2202358	_	4	4	7	1.1913001	4 0440743	4 073772	1 0733225	L	Щ	0.9788318	0.90508
MAP kinase kinase	1.0725509		_	1	0.6841588	4 2063078	4 450054R	4 1305329	15	1,185723	0.7663723	0.93734753	1.1828932
Sodlum/glucose cotransporter 1	0.63106346	이	1	⊥	1.230070	┸	1 660942	1 195217		0.5256628	0.89244605	0.8966818	0.5980497
Phase-1 RCT-27	3.7660437	4	4	⊥	┸	┸	D 9993298	1 0326535		_	1.1839706	0.9406687	1.1693006
Phase-1 RCT-50	1.0424821	1.2225633			4	0.7007623	O RASDORA	1 0478005		┖	0.883417	0.88167	0.9416277
Phase-1 RCT-192	1.0970803	7	_		4	4 0204032	4 0451883	0.9830022		_	1.2338227	1.2624696	1.1103075
Phase-1 RCT-288	0.86702718	_	_	0.93480203	1,090934	1 0055825	1 0144075	1.1097153	1.0188518		_	1.0361996	1.0092484
Phase-1 RCT-37	1.0531334	1.052472	1.0773370		L	4-	0.9414581	0.9064956		1.0734189	1.0086356	1.2306463	1.014775
Organic cation transporter 3	1.2009283	4	_	_	┸	Ľ	0.948593	٦		1.0519768	Ц	1.2614971	1.0416728
60S ribosomal protein L6	1.134//2/	1.1283873	1 0245874		10	0.75080526	0.9783699		0.9306771	9	_	1.0614225	1.1600953
Zinc finger protein	4 404757	15	1	_	-						<u> </u>		0.9833333
Cagnanum bz	1 201731	+	↓_	_		0.9563868	1.0813543	ö	<u> </u>	_		\perp	4 0013207
Dheed BCT.92	0.74349695	┞-	L	9	Ц		0.91271186	\perp	_	0.9424857	0.72772443	0.00000	1 1124548
Dhace 1 DCT-145	1.4210858	ㄴ	1.073804	4 1.4459693	0.8384593		0.88041747 0.94913447	_1	4	1	┸		0 87439436
Matrin E/G	1,1361852	↓	1.1008941		_	_1	1.2387427		4	_1_		0.8750976	1 1897972
Med bomologie (M H1)	0.8723828	۳	6 0.89806926	6 0.8625072	0.7531208	┙					1	_	0 99323084
Phase 1 RCT-79	0.96939397	7 0.8764008	6 0.99471974	_	٦	\perp	_1		71	1	1		0.88274103
Sorbital dehydrogenase	1.0525734	1.0768183	Ш	의	┙	4	ᆚ	┙	4 2027017	4		Ľ	1.2926286
Phase-1 RCT-24	1.1971111	\Box			4		1.0191997	1.004 177	15	┸	1	4-	0.83280325
Calgranulin B1	1.3047905	_			1	4 9037303				12	上		0.878581
Elongation factor-1 alpha	0.8515013	_		4	4 2040050	4	1 3697044	L	Ľ	1.0319285	0.7435418	0.75437576	1.0636863
L-guiono-gamma-lactone oxidase	0.5025994	4	9	0.02//29/2	4	1	1	上		Ļ .	3 0,8300129	_	0.8510871
Phase-1 RCT-33	0.86416996	_	1.1400130	ľ	ľ	Ľ	1	Щ	0.8922199		1.052368	의	1.117
o-jun	1.102527	1.4643363	9	4	1	_	Ö	L	0.7062402	0	7 0.7691532	_	0.9106498
Phase-1 RCT-233	0.0416029			┸		١.		L			_		0.90194744
Phase-1 RCI-36	0.0764770	Ţ	1	1	_	٢	0.8693325	_	0.795703	3 0.8916928	4	4	1.4089146
Present RCI-242	A 0730858	1	1	4	_	1.0441566	1.0882947	1.1397661	0.96954525		4	4	0.50333547
Prese-1 RCI-181	0.71785318	٠.		↓_	8 1.1407553	1		Ц	0.9882316 0.76491904	- 1	4	ᆚ	1,000001
Prese-1 KCI-163	0.8478704	7 0.9959621	1,008282	۳	L	_		i	6 0.868883		_		1,000070
Prese-1 RCI-178	0 92027324	1~	Ľ	1.2672701	1 0.8549211	_	0.90159416	\exists		ö	4	1	1.0340470
Prese-1 ROI-144	0.875928	1.026036	ᅩ	! _	7 0.8280283	_			_	_	1.03/6899	1.061449	L
Phase-1 RCT-225	┢	Ö		닒	_	의	┙	4	1	4 2420478	_	-	١.
60S ribosornal protein L.B (alternate clone 1	1) 0.9641402	1.0742278	1.1015782	32 0.8919665	5 1.2610809	1.2469453	1.1794071	1.24367.22	000001				
The state of the s	0.05005524	1 1541145	15 0.88992953	33 0.768421	1 1.2084737	1,0185635	Ш	Ш	7 1,0901651	Ш	_1		1.3553591
Beta-tubutin, class 1	1.0885489		38 1.125757	L	1		1 1561549	1.524660	1,173693	5 1.0238371	1 1.0635747	0,6692784	1,404040
Multidrug resistant protein-2	1.00001			-		1		İ					

									4000000	0.0073030	4 0544800	1 0078701	1 0818949
Phase-1 RCT-49	1.06024	1.0177245	1.0266343	1.39848	-	0.874466	0.9788483	1.0009714	1 0202829	0.964093	1.0586464	1,1866939	1.0921637
-		1.0386874	_	1.0384609	1 103760	1 0770136		1 1288571	1.14246	1.0915875	0.8578707	1.074269	0.8950032
NADP-dependent isocitrate dehydrogenase,	0.9602389	0.95955455	1.0616521	0.85026914	1.105203		2000			1		_	000
cytosofic	0.9784098	1 0186948	0.89702314	0.9211741	0.9620057	1.0349911	1.0507383	0.9520471					0.78025496
Octames unwing proteins	0 7377493	_	1 2769558	0.7423678	1.1480938	1.3909429	1.32368		_	039///960		-	4 0550770
Sodiumble acd countsportes	0.9039904	0.9016024		1,1379716	_	-	0.89807546	_	0.94294214	1.0281088	1.0502183	0.95916076	1 0472816
	0.8985493		_	0.95465213	-		0.8928414	1.0791276	+-	0.60857173		0,81279874	0.9459364
phate mutikhase (lpmk)4	0.636275	-	0.83887875	0.6123741	1.1039238	1.1/9/436	4 1180465	-	_	-		0.8570786	0.7664978
Phase-1 RCT-256	-	0.81789464	1.0530919	1.005/914	1.1923324	1.000001	0.00000		1 0519868	_	1.0643631	0.9689576	0.7901226
Equilbrative nitroberzylthiolnosine-sensitive	0.8981892	1.0215355	0.9611369	0.9915085	1.0761786	0.0000	0.3034637	0.0				000	130000
rucieoside transporter	1 15070B	1 1592822	1.2529844	1.1403394	1.0964924	1.0491545	1.0007217	1.0215687		0.86917517	0.91100365	0.865/386	0.003037
CUNTUZ	0 72548836	0.87068385	0.89927	1.0196888	0.8275802	0.8890968	0.9807237	1.0437438	0.9122109	0.9895052	0.88913286	0.83140390	0.744404
MACH accommo he reductors	0.7343458	0.6189498	0.7296842	0.6967753	1.2269514	1.051618	0.9601746	1.016985	1.1513075	1.3084122	4 0000074 4 4040852	4 4042852	1 0825716
MADIT-Cytocalionie to recovered	0.8908589	0.9982128	1.0824605	1.1738801	1.023684	0.93019846	0.9578129	0.9023999	0.87885155	0.78251224	1.0320974	1.1042002	0.8255357
Societions marker mitteln-30	0.84804183	0.9684312	0.9954882	0.9643821	0.9815532	1.2791436	1.129092	0.934338	0.8848776	1.3212238	0.0314100	0 9709819	0.86742028
Phoen RCT-89	0.89617868	1.0506935	1.1200917	0.9596862	1.102487	1.0727208	0.8967388	1.1413121	0.9733765	0.9013310	1 1734878	0 94720986	1 4102762
Camiline natmitoyl-CoA transferase	1.0388016	1.2547966	1.1056483	1.8387988	0.9835224	1.6530576	1.523325	1.1680309	0.91336900	0.35210	0 9901038	-	0.99062777
Alpha-2-microglobulin	0.91948646	1.1803064	1.051251	0.9823768	1.4627262	1.0160167	B100777.	0.09040347	A SOMES O ESPONTA	0 7708933	0.8765931		0.8188712
Apollocoratein CIII	1.3099873	1.1846015	1.1178908	1.2709482	1.2015684	1.0319034	1.04/0030	4 4 4 62000	4 2032056	0 9103449	0 9103449 0 80069053	0,85914358	0.720271
Cathensin L. sequence 2	0.95653474	1.0829068	0.9754005	0.8837841	1.2393463	1.2705245	1.1850972	1.1103000	1 4024595	1872601	1.1011268	2,2189558	0.81806004
Phase-1 RCT-141	2,1694722	1.244625	0.8384544	0.74390167	1.1542801	1.0301409	ľ	0.37.3307.04	70000000	0.8619611	0.8567279	0.9685943	0.7582353
Phase-1 RCT-289	0.82863754	0.9578206	0.9941006	0.97711927	1,002/802	0.8878920		0.0000000	1 0031629	1 3409756	1.6196524	1,2907468	1.7688353
Endothelin-1	1.0773933	1.1779376		1,1113776	0.8839418	0.0775103	0 0818703	1-	1.06131	1,0273893	0.90161985	0.9613803	1.122094
Phase-1 RCT-282	1.1556412	0.92792046	٧,	1.521212	0.9100001	0.0000870	0.9515155		0.96701336	0.8762959	1.0260841	0.9868122	1.0532247
Phase-1 RCT-140	0.9842213	1.0328382	1.0006603	1.0332096	0.8364601	1 0658794	1 1542538	1.7094826	0.85399157	0.9673972	1.0527328	1.1575568	1.9579257
Cyclin D1	0.64915913	0.8552156	1,0525079	A077704	1 1264129	1 1300108	1.040669	0.8779094	0.9175978	0.93862563		0.99346477	1,0803113
Phase-1 RCT-287	1,0160636	4 4008533	4 0482704	0 8359096	1.0763597	0.9547073	0,81736696	1,0543511	0.7807816	0.7496814	٦,	0.78068805	0.84904814
Phase-1 RCT-281	0.7080030	1 054555	11258355	0.84576106	1.3776917	1.1176019	1.0078775	1.0352885	0.9804967	1.1733873	0.8719145	0.89804167	0.9143423
Retinol-binding protein (RSP) ATP-stimulated alucocorticold-receptor	0.98478323	1,2783332	1.0230447	1.0628138	1.0952966	1.2190104	1.1291648	1,0321511	0.9703396	0.69284177	1.0463222	1.1866/21	100
translocation promoter (Gyk)					000110	0 04004540	0000000	4 ORR7412	0 9898448	1,2284899	1.1262919	1.1524435	1,3169057
Phase-1 RCT-60	1.0584962	0.9886475	0.921171	0.99323094	0.941830		1	J.	上	0.9207206	0.9015758	0.92706525	0.94461334
Pynyate kinase, muscle	0.9138776	0.9254126	0.9065152	3	1.0343441	0.82313904		┸	┸	Ľ	0.97753847	1,0541832	
PAR interacting protein	0.97927624	1.010814	0.95546275	1.086/61	4.007646	┸	_	┺	L	_	0,8089485	0.94985855	0.82161033
Nucleoside diphosphate kinase beta isoform	1.0339017	0.8011803	0.940/4565	0.77341093	910/00:1					╝			3000000
	4 4007338	4 2237183	0.98087853	1.0080427	0.87781378	1.0093688	1.0837454	1	_		익	1.116/201	4 2050620
t clother expert the forther history	1 504116	L			1.0503203	1.0420595	_	_1	_	1.5121571	4	0.00770075	0.05947857
Insuin-like grown factor billioning process	1.405547	1.0569907	1-		0.98397504	Ц	의	۷.	4	1.1016494	1.154/236	_	1 1400538
N-hydroxy-2-acetylarninofluorene	0.8401808	1.0132732		0.91208214	1.2311027	1.2570467	1.1288201	0.6966333	0.9997854	CU28224.0			-
sulfotransferase (ST1C1)		00000	┙	0 6270667	4 0487976	1 2357446	1 0091151	1,235016	1,2305869	1,3825989	1.1312262	1.037204	·
Phase-1 RCT-52	1.1108053	0.5700699	1.002102	1	0.00537524	1	L	Ľ	Ļ.,	0.73400015	Ш	õ	
Aprha 1 - inhibitor III	0.5719046	0.90/8230	1	٠١.	1 2807417	1	┖	L	L	-	_		
Stero carrier protein 2	0.93/03304	_	┸		1.28996	1	Ш	1.3698672		의	_	٧.	0.82608443
Organic amon uansporter 3	1 0081819	ᄪ	┸-		1.0036073	0.9534135		l	긔		0.8688652	0.600000	0.8570439
Dhara 1 DCT 482	0.73747768	٠.	1.0206137	0.8593107	1.2235092	_	_	_	1.0522426			4	0.71726793
Calculatio 88	0.7273083	Ļ			1.4531603	_		_1	1.2638724 0.866USSU4	1.0002140	1	1 0421158	0.9389474
Aldehyde dehydrogenase, mkrosomal	1.0777856	Ш	\dashv		1.1041787	_	0.92441434	0.86843783	ᆚ	L	-	1,1688087	0.92601687
Phase-1 RCT-128	0.8048587	_1	4	4	1.3032243	1.0/24228	`	0.47093102	1	Ľ	10	0.562187	0.6684065
Phase-1 RCT-102	0,4598193		4	0.6676589		_		1 0976636	Т.		0.8851706	0.859662	0.90688115
Preproalburth, sequence 2	0.7078458	4	4	4	1 2102607	1 429269	4-	4	L	L.	٥	\Box	긔
Apolipoprotein All	1.5344003	0.9984898	1 0.847.2674	4	1.2047232	Ľ	1-	_	Ш	õ		4	
Phase-1 RCI-10	0.094749	1	Ţ	-	1.0534043	3 0.95551	\square	ıЧ		_	_	0.9948941	0.6446330
Present Ruine	0.7529313	0.7220283	+	-	1.3649809	1.243858	3 0.9728906	3 1.1281309	0.6799699	0,6396255	0.9369699	4	1
Phase-i not-o			4	ł									

							00,000	0,0000,	4 0400000	4 0000044	0 0884401	4 475457B	89056873
Phase-1 RCT-168	1.1161588	1,024106	1.0241808	0.9078201	0.937528	0.89822915	0.96953183	1.1358818	1.0400332	1.00004	1,000,000	0 88747633	1 137941R
Phase-1 RCT-88	0.8947768	0.82675743	0.90152705	1,2359864	0.9088665	0.9458805	1.02/6941	1,302332	1.1400003	1,0303703	0.02074697	4 24 4 1054	6707835E
Beta-alanine synthase	1.4620898	1.0478215	1.2565126	0.8974099	1.3821902	1.2760171	1.2686379	0.74774545	C1828757	-	0.001/402/	0.6879827	0 8048409
Phase-1 RCT-296	0.50588113	0.5518755	0.7134052	0.73819983	1.4932228	1.3967603	1.2012094	26.32	1.0124/01	1	20000000	0.7464482	O FOSONGE
Carboic arbydrase III	0.683671	1.3674699	1.0822979	1.32104	1.8393288	0.8379002	1.200754	0.63595206	0.97322387	0.6005103	0.601/58/		0.0909000
Phase-1 RCT-291	0.81785154	0.8285808	0.843803	0.7735783	1.3218302	1.2123888	1.0948348	1.0536492	1.0663463	0.9639630	0.00333009	0.7203002	4 2427804
Carbonic anhydrase III. sequence 2	0.80932	0.7813602	0.7647238	1.1477145	1.2083049	1,2085953	1.0719223	1.681282	1.2164011	1.033719	واو	0.00071007	06781165
Phase-1 RCT-271	0.6716755	0.7088648	0.9824195	0.9471153	1,2264541	1.0611937	-	0.99285738		0.90088624	0.8587233	0.94300049	4 006500
HMG-CoA synthase, mitochondrial	0.82719177	1,2791389	0.9278761	0.83994377	0.84793713	1,0496461	=†;	0.88413596	0.6208849	0.4//4247	1,0001920	4 4455462	1 20132523
Phase-1 RCT-189	0.92750496	1.03048	1,1528964	0.88367956	1.2841735	1.1639428	1.0744107	1.0410835	<u>a</u> ;	0.631106	1 0655012	1 030483	0 9564545
Phase-1 RCT-40	0.8933591	0.7665758	0.98591363	0.6756692	1.2148898	1.1878873	1.0718266	1.1340/68		0.70700010	4 4606036	4 284848	1 0858704
Urinary protein 2 precursor	0.9707199	0.81820303	0.79484683	0.5887893	1.2030883	1.0725507	1.0740273	0.7631808	0.84010030	+-	0.82228733	0.61824286	0.7779973
Paraoxonase 1	0.6301688	0.8039061	0.83943975	0.7364444	1.124285	1.316.310.3	1.0480409	1.2033112	0.0430304	t.	ž	0.5054176	1 90592145
Liver fatty acid binding protein	1.5821996	0.7404268	0.91567796	0.54986814	0.9574943	1.0121646	0.8571658	0.8608677	0.76985765	0.4714611	_	0.70445005	0 7194483
Presentin-1	0.53610164	0.85178816	0.8471035	0.7448242	1.0251546	1.4451759	1.1168102	1.0831302	3	/Stacker	0.0790403	-اح	0 75625235
Phase-1 RCT-38	0.81730366	0.7791298	0.98311526	0.97720045	1.2382972	1.2852923	1.168362	1.0336496	_	0.01032310	0.791301	+-	4 0753001
Phase-1 RCT-270	0.7589024	0.64593184	0.93491733	0.81018676	1.1915478	1.0854709	0.97564137	1.0210506		0.94977254	1.034410		1024750B
Transflynetin	0.5091327	0.5283106	0.7030417	0.51360995	0.8692275	1.3882896	0.98043054	0.9502858	0.6537179		0.77873104	+-	0.0074704
Horaft lines	0.64443463	0.63782394	0.7942272	0.7132315	0.8971055	1.0274721	0.7982159	0.9622249	0.44262192	0.74001/8	0.03333209	+	0.007 1704
Cytochome P450 11A1	0.77106726	0.83418995	1.1960361	0.8612259	1.1505477	1.8437005	1,3032756	1.0867804	-	0.857393	0.83776957	٠.	0.91390303
Direct DCT.476	0.68870986	0.78367114	0.8659725	0.62841403	1.1945903	1,1149359	0.9752185	1.0495193	_	=+	0.7559046	0.806/981	0,057 10465
phone 1 DCT 117	15117348	1.0601634	1.2486214	1.0893842	1.1531562	1.1112852	1,1396813	0.8124891	0.8045102	ᇷ	0.76065934	1.1731318	0.9031236
DE 22 4 OCT 497	0 717252R5	1 759 1994	0.9208097	0.6965868	12128456	0.8848574	0.86591953	0.82034487	0.7703918	0.94510937	0.88170207	1.2939056	1.1053284
Mornana accordated antineo ME494	1 1098901	1.0102526	1,1262056	1.2460278	0.89595574	0.7721415	0.7758122	0,83560306	0.80613758	0.93471855	1.5448022	1.232766	1.1828952
Micialitation description of the second	0.0573671	1 1591169	1 0141681	1.0797205	0.9611117	0.89896894	0.97652227	1.0831896	0.99517614	1.1291821	1.1744244	1.0385827	1.1616084
Present Court	4 470481	4 0005909	1 0748382	0.8997508	1.0202174	1.2492963	1,1147162	1.1816701	1.0386245	1.1438717	1.0164213	1.475286	1.2105607
Friase-1 KU1-102	4 470070	1 14889EB	1 192529	1.0137153	1.1270578	1.1470114	0.91130084	0.9559349	0.80981135	0.75416976	1.1341782	0.99568546	1.0426875
14-3-3 Zela	0.8314873	1 12287A	1 0420244	0.7925268	1.3000339	0.9255412	0.9222175	0.77811307	0.49675748	0.8039657	0.86333957	1.1273869	0.8968249
Cytochrome P450 ZCZ3	1000	1012001	4 0750574	001611415	1 1796182	1 1108142	1.0437163	1,1446435	1.0401138	1.0004104	0.84906634	1,2591591	0.99368568
Voltage-dependent amon cranner z (v dacz)	PODI ENT	666167	1	2									
Ot. 2 00T 464	0.00010788	0 98346746	1 0341693	1.2637999	0.91030717	0.85963446	0.9527857	0.9199665	1.0494719	0.9609252	0.9400862	1.246Z798	0049834
Chambial diametres Min	1 6861587	ᅩ	1.2412094	1.097916	1,2434553	1.2872769	1.2595822	1.101772	1.4288327	1,1436363	1.1319547	2,0200396	1,605/50
Superoxue distinuese with	8070701	1 2821244	1 010309	1.0084795	0.8243019	0.7078105	0.9015688	0.8670703	0.9332053	0.866055	1.1600162	0.7798084	1,3288955
c-myc	0.044047	4 00E38E3	1 0448054	1 1109804	0 93172324	0.899137	0.9795142	0.94417316	0.88171935	0.9379256	1.0286232	1.1315161	1.1703843
Phase-1 RCI-195	4 4090777	4 4940844	4 044704	1 3077548	0.9148868	0.95818084	1,0044901	1.0929897	1.0835636	1.1368802	1.1416441	1,2275662	1.2799505
Cydin G	1.1632///	1,134004	1 0568064	1 4844356	0.8222751	0.8371896	0.948367	0.9681851	1.0509431	1.0316532	1.1837181	1.2764744	1.1908113
Caignantin to	0 02434488	0 98178285	0 8909785	1 0433538	0.87169766	0.9243879	0.88362205	0.88649607	0.8172711	0.85906756	0.92334864	1.1121048	0.9235815
po3	0.9243440	0.9911020	1 0079683	1 2848107	1 0223074	0.91440266	1.0809205	1.0888368	1.1281394	1.1073841	1.117025	1.7558328	1,0296993
Priase-1 RC I-205	4 0464443	4 0323680	1 0321838	1 0563778	0.8381461	0.9717728	0.9977662	1,1153138	1.0944927	1.0418516	1.0819287	1.0549021	1.0792809
Flase-1 RC 1-00	4 44 40 450	0.0853008	4 22409TR	1 321978	1 0189595	0.8864136	1.0882223	1.208356	1.205414	1.610996	1.0503384	0.9501139	1.1614281
Caspase 3	4 037003	4	1 0741249	1 0544504	0.93593854	0.93573153	1,4333513	0.80403733	1,055656	0.9744271	1.0653177	0.9873735	1.0878025
April-tubiliti	4 570855	1 45884	1 3681536	1 057398	1.0106195	1.08023	1.0932258	0.9440916	0.91558903	0.80814624	1,3000224	1.1285212	1.1976901
Kindsomal process Lien	4 1020AF	766625500	0.95473	1.0180311	0.98929673	0.9474773	0.98314214	0.95619285	1.033856	0.9813864	1.1743172	1.9268948	1.051405
Second process	1 1853710	1 017999	1.0109497	1.2472459	0.8966333	0.8312525	0.96103068	1.125458	1.1323239	1.0077417	0.9760744	0.99510837	0.9268434
Cieros Contraction	0.8563120	0 8880472	L	0.8334626	1.0615832	0.9992583	0.90193768	0.93276924	0.8491512	0.8987105	0.86312294	1.1051084	0.85776975
	1 57797	1 1091478	0.80032516	1.0428406	0.8955033	0.89506483	0.9139635	1.1075792	0.93608105	1.3717853	0.81790036	0.7776252	0.6889211
Dece 4 DCT 244	1 0972037	1.016895	0.95531034	1.1946778	0.9616112	0.8852473	0.95281035	0.9196029	1.1230384	1.3017248	1.0029461	1.2254524	0.99419534
Discound ample So	0.987463	1 023643	1.058497	0.8948858	1.0470507	0.9134198	0.8716263	0.80058825	0.8972151	1,0072577	0.99324423	1.0393901	1.0239768
Choca 1 DCT 258	0.9146017	1 0935895	1.0810217	1.1854497	1,0078565	0.8844186	1.024528	0.96414554	0.985597	0.9303849	1.0402327	1.0994966	1.020244
Aminimos inclinate hasea	0.9178587	1310109	1.2478269	1.0149401	1.5628184	1,4103422	1,3624986	1.2824941	0.92306274	0.9817164	1.1479695	1.0996364	1.1858492
Dhasa-1 RCT-180	1 0504035	õ	1.0153394	0.86176618	0.82426065	0.92348254	0.9418231	0.6705864	0.84146833	0.87748605	0.9671595	1.1545068	1.05/6249
Midden resistant nontein-1	0.9996390	1,128308	1.1449374	1.1179422	1.0488818	1.1886497	1217331	1.4404448	1,2398317	1.1010787	1.1038035	consseau	1.200/00/
Omitine decarboxdase	0.8825374	1 0.9671013	0.93001735	0.8452814	1.1223097	1.1905354	1.1402204	1,1084533	1.2060008	1,3621129	1.1020507	1.1636/2/	1.1804347
Thymosla heta-10	1.194474	1,119297	1.1449518	1.0264677	0.91385925	0.88226384	0.95405835	0.77703494	0.84657633	0.70050937	1.0511589	1.2/02259	4.80518645
Phase-1 RCT-72	0.9865277	0.929191	0.9371134	1,4278687	0.7916698	0.80005693	0.91076975	0.97464716	0.9566778	0.9987635	1,035483	1,0009045	4000482
Phase-1 RCT-109	1.42776	1.44131	1,4541881	1.15212	1.0035005	0.9705471	1.0784366	0.9549983	0.9468043	0.8308208	1,1508441	0.7603808	0 83826524
Phase-1 RCT-76	0.821400	1.276565	1.025989	0.8556296	0.8816812	0.941601	4	1.032431	0./1331/0	0.730210	4 4731777	1 2797586	0.9618988
Vacuole membrane protein 1	0.81159	0.99745	1,010306	0.99667513	1.0799859	0.93590283	0.9432689	1.0715789	0.90198133	U.SI 4USTO	7.11011.1	120010121	V.v.v.v.

PCT/US03/14832

			Ç				-1				20070000	4 004793E	4 0051805
	0 8498045 0 95355016	0 95355016	0.994759	1,3745525	0.77082735	0.7768299	- 1	0.8832117 0.99970657	0.99970657		0.00000		9618430
Prase-1 RCI-130	4 4059073	4 1701790	1 0580038	1 0988119	1,1018056 0,96802976	0.96802976	0.9564636	1.048788		1.0975/63	U.S.Morece	0.8018700	200000
Phase-1 RCT-113	1 1200975	1 309439	1.3024776	1,161104	1.4116328 0.9164059	0.9164059	1,5041084 0,95104325 0,72859156	0.95104325		0.70105016	1.1356703	1.1356703 0.67063457 0.94882976	.B4882976
Endogenous retrovital sequence, 5 and 5							0 4781749R	10011100	10964672	0.42647496	1 1000493	1,1381011 0,84379673	84379673
Boto odio	1,0789865	0.9737921	0.9482086	0.6332676	1.2093507	0.8156328	0.04530425	4 4 20 4 2 4	0.0440387	0.035248	1 1157068	0.8537874	1.134871
Obsert DCT-65	0.9144948	1.0865247	0.9290935	1.0594393		1.2085905	٠.	1.16040	4 000004	4 DADSOAS	1 0112402 0 68423774	0 68423774	1.1079886
MHC class antigen RT1.A1(f) alpha-chain	1.3085401	1.1024977	. 1	1.1433822	1 2491324	1.3169806	1.1802873	0.0640634	1 0425102	1 0886308	1,2805521	0.9723958	1.2563033
Bax (aloha)	1.1929992	1.220737	1.0056925	1.0377324	1.0377324 0.8425669/ 0.9/102/05 1.03217/2 0.89369715	0.97102700	0.03277985	0 88369715	1 1429894	1.283531	1,0589657	1.0395573	1.1370679
Carbony reductase	1.0064368	1.2229317	~	1,0018888	0.82439200	0.01///200	0.01///SUO 0.8532/303 0.8834577	0.8831527	0.8064164	0.7467704	1,2808683	1,3861797	0.997809
Beta-ectin, sequence 2	1.1795138	1.1361978	ì	0.8663081	1.1442205	U.61031/9	0.0035554	0 0135889	0 8131808	0.916838	1.4319409	1,4319409 0.98071444	1.4295841
Interleukin-10	1.1463419	1.2560728	- 1	1.0109068 0.92383546	0.7913813	0.7913813 0.9523930	1 0778302	1 0870003	1.1445812	1.1546031	1.1825393	1.1825393 0.84267414	1.1506138
Phase-1 RCT-191	0.957703	1.0112606	1.0112606 0.93005776 1.0522951	1.0522951	1.0814569		7777777	1 1651376	0.8140837	0.8140837 0.83556527	0.8765754	0.8765754 0.74136955	0.8345218
Phase-1 RCT-111	0.8587403	1,2222899	- 1	0.77987057	1.2858085		1 0302218	0.9620979		0.9090054 0.8301876	1.0234784	1.0509181	1.150974
Anomosis-requiating basic protein	0.8035441	0.9555493	- 1	1.0664318 0.93984854	1.103/633	1.1140000	1.1140503			0.74487	0.6061348 0.64847344	0.64847344	0.7916571
Gurathione percoddase	0.60359037	0.649045		0.708751	1.100/858	1.1403340	403040 0.377112	0 0022249		0.72893547	1,0626191	1,0626191 0.92980075	1.1390542
Phase-1 RCT-239	0.9774028	1.0883745	_1	- 1		0.04495746	0.7/528/7 0.84.95746 0.96902317	0 92821264	0.9769235	0.9769235 0.9700253	0.9965692		1.0288473
Phase-1 RCT-67	0.9490309	0.9059983	_1	- 1	L	4 4200204	4 0205687	4 1382Q04	1 0830799	1.2967898	0.8295279	0.8295279 0.99918836	0.96370107
Tryptophan hydroxylase	1.055838	0.8766837	_1	0.7537832		1.1300204	4 201921B	1 2788346	1.0833174	0.9998546	1.0606679	1.0606679 0.74760914	1.0171267
Suffortansferase K2	0.91309947	2.0845335	- 1	1.1802634	_	1.4230481	2.01384/2 1.4436481 1.4813414244	1 1372457	0.89760995	11372457 0.89760895 0.89685717 0.73206335 0.93644184	0.73206335	0.93644184	0.7740839
Calorantin B9	0.9519456	0.9519456 0.88811475	- 1	1,00069	_	0.300043	3104030 0.00018	4 0087385	1 0162578	0.9883124	0.9876806	1.005618	1.0056612
Phase-1 RCT-123	1,0392454		- 1	1.1763302	_L	4 04 205 20	4 04900000 0.00000000	1 0623358	0.9210677		0.8958802	0.9422091	0.9552358
Phase-1 RCT-98	0.78956795	0.9051375	٦	히		1.0103020	1.0153020 0.000000	0 5547795		L.,	0.9938926	0.9961148	1.0076276
Aguaporin-3 (AQP3)	0.9246733	0.98457533	_ !	1.255107		0.0404010	0.8252/58 0.6454610 0.8476787	0 85491574	1	1	0.73379004	2.0588555	1.1791835
Steam-CoA desaturase, liver	0.29817986	- 1	_L	-,	1.	4 4525270	O 0522887	1 1292849	1 -	1,3149943	1,3149943 0.88231504	0.98322654	0.92511785
Phase-1 RCT-64	1.0688965	0.7517654	1.0018016	0.8553628	0.7304070	1.1020210	ı						
													_
(1) Gene expression data for 24 hour													•
timepoint are presented as mean ratio of												_	
treatment/control for all 24 hour predictive													T
genes (Table 5).													
(2) Compound and dose abbreviations as in							-						
Table 1.													
(3) Individual animal number													_
(4) Liver inflammation classification for													
compound-dose group at 72 ht yes-nect,													
negosis observed; yes-both, negosis with													
pakago													
(5) Predictive gene (as in Table 5 and as													
included in Table 20)													

Table 29. Expression Data for 24 Hour													
		П	П						_		00,00		00 100
10			CHEX 0.5	CHEX 2	CHEX 2					CPHOS 100	CPHOS 100	CPHOS 100	CYCAZU
Animal Number (3) Liver Toxicity Inflammation Classification (4)	TO 2244	10 Z245	7246 no	5	Q1	0277	5	2 7 2	9217	0.0	2		2
Gene Name (5)													
Gamma-actin, cytoplasmic	0.9983807	1.5683876	1.1129632	3.6529722	2.8307903	2.7995775		0.9431759	1.1469854	1.729922	9	1.3634926	1.0125684
Phase-1 RCT-145	0.94625354	1.0961893	1.2302104	1.561673	1.9621283	1.5309699	0.9323095	0.94078403	1.7560978	0.8098992	0.92518455	0.7804642	1.0456836
Dhora 1 DCT, 78	1 0157197	0 88987935	0.8257909	1	0.86779804	0.6463164			0.98052263	0.6707907	0.8855752	0,9484483	0.97949713
Fas articen	1.0293813	1.1938522	1.0163693	1.1966382	1.6553521	1,5438404	1.2888573	1.406916	1.406916 0.91123027	1.6140989	1.140782	1.1171663	1.1554203
Macrophage inflammatory protein-2 alpha	0.99190736	1.1185317	1.1487525	1.4402591	2.1188757	2.1920779	1.0363132	0.96302708	1.2813107	0.9745143	0.9293999	0.89075305	1.0770301
Integrin beta 1	1.1204696	1.1972289	1.2522796	1.582949	1.9727416	1.5494436	1.1614805	1.1736794	0.96752304	1.665677	0.9991933	1.0636394	1.0403911
Phase-1 RCT-207	0.95288193	1,3641334	7.5906587	2,3335903	3.5395994 4 0.28438	0 80883366	0.88891345	0.8320239	0.84678644	0.88749284	1,0913687	0.9823024	1.3754957
Aspartate ammoransierase, muodinima	1.0480449	1.0771527	0.9771033	1.0119997	0.8406054	1,0743967	0.9692603	0.9526392	2.7962224	0.93156844	0.93821	0.9707981	0.73426664
Mailc enzyme	0.7895161	0.5007901	0.62083646	0.396745	0.33987373			1,0164182	1.4991018	0.6322268	0.8661981	0.829956	0.6516876
Phase-1 RCT-30	1.0016528	1.0121242	1.0651789	960996'0	1.0009695	1.1695917		0.99815965	1.2685455	1.1367855	0.9400288	1.1119899	4 4772876
Hepatocyte growth factor receptor	1.0728713	0.9812083	1.0864726	1.003/81/	R/SCROE +	1,0764507	1.0931//	1 035/025	0.035824	0.89673567	1 1037039	0.89190626	1.1302441
Sodium/ohrose cotracender 1	0.9801111	0.8884781	10	⊥.	õ	0.9245259	0.77841353	0.8154852	0.7830467	0.9765836	1.0669173	0.9437922	1.0996232
Phase-1 RCT-27	1.0835929	1.7042657		1		Ц	0.7717708	1.8945951	1.4196545	1.9488138	۷.	1,3973081	0.7239528
Phase-1 RCT-50	0,9058889	0.8851095		_	3.394043		1.034398	1.1886325	1.0005768	0.9330783	0.9171667	0.96635765	0.8396751
Phase-1 RCT-192	0.7374161	0.9454689		_	1.6649636	0.9838191	1.0390985	1.0116512	0.8805418	1.2401581	1.2395026	1.0631431	1 2757406
Phase-1 RCT-288	0.92282768	92282766 0.87509525	-1		0.7065826	1	1.68130624 0.96898234 4.6084524 0.08023286	1.0845494	0.0318668	1 1364017	1 0073923	1 0946265	0 8393847
Phase-1 RCT-37	1.082/104	1.3925552	1.3491938	3 3000835	3 2877293	\perp	0.98022393	0.9030965	0 9971304	1.0487841	L	1.1304556	1.0360454
Organic Caulon transporter o	1.0071745	1.9609026		4.097095	L	L	3.1642585 0.90393144	0.90143996	0.8838301	1.149438	ш	1.1633608	1.3303285
Zinc finger protein	0.932975	0.8470814	1	1.0181242	Ľ	Ц	1.0313812 0.99098086	1.0342678	1.0761296	1.0043882		1,1068206	0.84863845
Calgranulin B2	1.0320575	1.0320575 0.99055487	_	Ш	Ц	1.2182437	0.8998695	0.88189465	0.845453	0.9401341		0.83051646	0.80540833
ID-1	1.0296733	1,0083055		Ц		1.4756345	1.4420907	1.1872588	1.5162722	0.9753945		1.2512331	1.085807
Phase-1 RCT-92	0.997039	0.915869	_	0.7992213	<u> </u>	4 04/4227	4 4026825	0.7807231	4 4570427	1 025578	1.7/81508 1.1181/10	_	0.7187483
Phase-1 RCT-115	1.1052489	1.06/9224	4 40348354 1 2828349	1.0292846	1.0254974 0 RR847186	┸	1 1918116	1 2122837	0.8718199	1.3490194	1.1634636	ᅩ	1.0260894
Mattin F/G Med bomologie (MI H1)	0.4248468	1 0039874	1.071154		<u>ب</u>	L	1	0.8659774	1.2010165	1.0181369	Ш	ш	0.9867865
Phase-1 RCT-79	1.0300752	1,0399585	_	┖	Ц	1.5266595	1 8	0.71962965	1.188285	0.9346606	_	1.0456897	0.7046398
Sorbitol dehydrogenase	1,0932683	1.5482308	\perp	2 5995505		_	1.255551	1.413174	1.0693053	1.3910035	1.4269172	1.0476364	1.6290568
Phase-1 RCT-24	0.9724069	밐		٧,	1	\perp	4 4475904	4 2378220	1 0122684	1 3737905	Ľ	1_	0.8252722
Calgranulin B1	1.00/25/8	_	1.1930020	2 114270	2 1220472	1 6371182	0 9851635	1 0433565	0.8510042	1,3022339	L	L	1.4308841
1-culono-comma-factore oxidase	0.62253827	0.57385	1-	Ľ	٦	L	0.9031416	1.1519494		0.7478321	0.90850246	0.7459693	0.87872005
Phase-1 RCT-33	0.91145265	1 _ 1	Ц	1.4121661	Ц	1.1286113	1.0311242	1.03702	٦.	0.8278367		_	1.1899189
어un	0.86753	<u> </u>	4	1.1022645 0.74007106	1	1	1.1344666	1.0432019	1.5495066	1 104638	1 0115602	0 8702206	1 0631545
Phase-1 RCT-233	0.9003313	1.239/156	`	0.7558286 0.86497647	0.6577600	0.0535317	1 0611111	0.98770636	1 026631	0.8405287	╄	1_	0.8195126
Prase-1 KCI-36	0.00770043		-			L	Ь.	1.0132798	1.6644111	1.0566189	٢	Ľ	0.8220349
Phase 1 RCI-242	1,1002562		┸	_	Ļ	L		1.0243663	0.9455357	0.9942644	1.1455501	Ч	0.90585786
Phase-1 RCT-185	0.8971198	Ľ	\mathbf{r}	ш	0	Ш		0.8463898	0.7658559	0.6685737	_	_	1.147602
Phase-1 RCT-179	0.93358105	1.1462737	0.9050572	2.0659199	1.8741211	┙	7	0.99712074	0.7794477	1,032192	_	1	1.1046842
Phase-1 RCT-144	0.9016582	\Box	_	_		4		0.9453365	1.2069634	0.8011884	0.62//0/95	1 2/6055	1 9195034
IkB-a	1.1091301		_		1.2742853	0.95671153	0.9545653	0.8544112	0.5698024	1.3023408	4.	0.6388158	0,8663846
60S ribosomal protein L6 (alternate clone 1)	0.9983806	1.7308453	1.8038887	3.9719085	L	L		1.0229768	0.8493095	1.2114861	L	1.1437004	1.2947508
	4				┙	4 200 4040	_1_		0 8036813	4 180124R	1 (819031	1 1518395	1 095425
Beta-tubulin, class I	1.024464	ᆚ	ᆚ	_	\perp	1	1.15/0283	1.04403/3		L	۱۳	_	1,3267599
Multidrug resistant protein-2	1.3219597	1,0918524	1.34/6552	3.5141747	0.4171048	1	12171111111		_]	

						10000001	000400000	90003636	1 2135141	0 94288373	0.8715959	0.94605273	0.8171284
hase-1 RCT-49	0.97586066	1.0243053	1 0191998	1.2//0/28	2 202005		-	0.93160397	1,1387705	1,3286455		1.2641296 (0.93587145
┥	1.0683076	1.4074974	1.6072857	1,725/162	228/8852	_		19591900	0 7067954	0.7843551		0.98146254	1.1572465
ent isocitrate dehydrogenase.	0.9044795	1.0228878	0.6405032	0.883624	0.42253835	0.6028707	0.000	1000					
					0000	0 0070045	4 0000122	1 0847522	0.812148	1.693249	1.2792116	1.1428399	1.1643881
binding protein 1	0.99749726		1.2301778	0.7014423	0.7317208	0.02720.0	4 0607044	4 0448428	0 7821948	0.4844858	0.90228015	0.8068859	1.1025871
orter	1.0990115		0.87733316	0.6135982	0.28031044		٠.	0.03005838	1 2041722	1 0046908	1.0588697		0.81430197
	1.0254452	1.0180146	0.9001345	0.9612838	0.9064899	_	-	0.93903030	0 0015191	4 1492327	1.0138954		1.3881203
l	1.0992223	1.214521	0.8815238	1.0641872	0.77081266	0.7081328	-	4 0427750	080774080	0 7874297	13133297	0.7448648	1.0383969
phate multikinase (Ipmk)4	0.7729935	-	0.51600695	0.48006648	0.325804	4 24074	1.02004/3	-	0.69727373	0.9440794	1,1170822	0.7831778	1.0291848
	1.0104756	1.067425	0.77223843	1.3992337	0.747829			_	0.74.250.20	0.45221812	0.8570891	0.6998117	0.8180151
quilbrative nitroberzytthiolnosine-sensitive	2.2489514	0.8645093	1.0091189	0.7823181	0.43400705	0.49/43629	0.63906304	0.0					
ucleoside transporter			0000000	4 0000046	0.0044804	0.04086594	1 0599042	1.0902824	0.7066499	0.9487424	1.0946602	0.8721783	1.0796698
DK102	0.8942373	1.0401324	0.9597939	1.3692812	PECITO9.0	0.5400004	780000	4 0163497	1 2627431	0.9471392	1.0071105	0.9384218	0.815934
hase-1 RCT-209	1.1644664	0.9332382	0.8778823	1.1065415	1.0140768	0.8581220	4 424775	A 8484104	0 7508336	0.78047775	1.108455	0.7304134	1.0252872
	1.0483775		0.5016694	0.61751544	0.3911482	_	1.12(13/3	1 4504/20	1 0533482	0.88763475	0.998888	0.94096917	0.86522245
	0.8478524	0.9891286	0.840886	0.95323443	0.7964142	_	0.87700100	_	0 62722075	0.27853038	1.4121476	0.7754318	1.5519705
	0.89813155	0.68001544	0.74246347	0.60150164	0.085319005	0.454931	1.1123816	-	0.0212606	0.8326018	4 0771154	0.8911229	1.1618327
	1.0565872	0.9712536	9	0.7941308	0.39124602	0.6660112	0.9264457	1.0000101	4 5404979	4 0040678	0 07784397	-	0 97512585
rase	0.9217089	0.82044613	1.0449833	0.8339909	1.0114609	1,1122345	0.9680417	0.9836248	1.51213/2	1.0010070	0 7448143	_	1 1494397
	0.5336348	0.5010401	0.25856206	0.4307238	0.13223965	0.14980124	0,768/49	1.162/009	1.162/089 0.99401555	0.0472074	O BRAZERTS	0.8393125	0.9760724
	0.82957804	0.68925846	0.5908861	0.5461198	0.54614776	0.502718	0.89102596	0.9310297	0.0228200.0	00000000	0.000000	1 1702825	1 1768477
Cathonein Leanings	1.0308439	1.2493106	1.0159839	20817847	3.2933927	1.7515085	1.0889438	1.1386464	0.78/9411	2.500/830	4 4004480	2 21534B	1 5886618
Those 4 DOT 144	19195012	2.6088638	5.1658416	6.6648088	19.10274	7.48826	0.9887323	0.94485094	1.0965622	3.0004170	0 00000077	0.0634058	0.0831525
TOTAL SECTION AND AND AND AND AND AND AND AND AND AN	n 7700189	0.8460522	0.6647272	0.8323056	0.5931372	0.6796383	0.9055611	0.9855242	0.8034694	0.7833000	4.09009017	100000	0 045245
-nase-1 KC1-209	0 01080124	0.91315186	1 0255828	0.8722658	0.9705601	1.0999684	0.9540273	0.949807	1.2165223	1.125427	EDOCK/O'L	0.001000	0.3004000
Endothelin-1	4 4554073	4 0423025	1 1720282	1 450301	1.3523529	1.3589084	0.9307428	0.9007973	1,2104523	0.82696488	0.9484/864	-	1,0013003
Phase-1 RCI-282	1,1001923	4 0308340	4 0760349	1 0682893	0.8796954	1.0156896	0.96834654	0.9697043	1.1197182	0.98089916	0.87888384	0.96923083	8700071
Phase-1 RCT-140	0.6703004	4 0440544	4 2807808	2 4003994	1 4830773	2.0574925	1.012985	1.0538121	1,6117715	0.6840349	0.5919761	1.0215435	0.83330137
Cyclin D1	4.00400	1	4 0040063	1 0749468	0 93084824	0.9515477	1.0817039	0.952658	0.78908235	1.0467757	1.2906078	1.0824009	1.0483883
hase-1 RCT-287	1.0292007	1	0 8048947	0 7362953	0.7488716	0.7172612	1,3298857	1.2494906	1.0817258	1.2404064	0.9389307	1.0528048	1.1/10/200
Phase-1 RCT-281	0.34302307	0.702033	1	0 50028765	0 7881225	0.3879988	0,9961871	0.9111436	0.7591311	1.2160453	1,2203445	1.1047841	1.4063605
Retinol-binding protein (RBP)	0.9559298	- 1	-1	1 8068401	1 2287966	1.4115916	1,1653765	1.0526855	0.96181375	1.2454492	1.0093244	1,0301731	1.2411356
ATP-stimutated glucocorticoid-receptor	1.0852485		1.032002	otopeo.	2								000000
translocation promoter (GyK)	, 00000	30070000	0.07205444	1 1207015	1 4303195	1.0101069	0.9464716	1,3869208	1.1431404	0.8926184	0.9120257	1.060356	0.922003
Phase-1 RCT-60	1,0330440	1.		1 8730325	2 1357522	1 8510645	0.9407241	1.0512626	1.0550194	0.9875792	- 1	0.93206644	0.7197664
Pynyate kinase, muscle	1.21/83/28	4 24 4 2 4 3	┸	L	2 4942105	1,7751994	0.9853479	0.8818899	1.0005305	0.90743476	익	0.9499066	0.90624785
PAR interacting protein	4 0000076	4 4705583	ľ	Ľ	1.9090911	1.7552234	1,1120044	1.0174289	0.9342405	1.6182374	12571884	1.2/93146	1.6035233
Nucleoside diphosphate kinase beta isotom	1.0880275	1.47 33303								┙	0000000	4 0040404	0.0004649
	4 OROBS27	1 2216478	1 2547028	1,7194129	2.3482122	2.1793523	1.107138	1.0884286	1.2165945	1,23040	1.0477052	1.0613131	4 3936060
Gaddios		1 0495468	L	L	1.8908749	1,0158372	1.1673372		0.9290115	7	0.801/113/	1.1340207	4 0574404
Instanting grown racor busing process	1 07 13621	1.3540628	L	L	1.8799273	1,6705265	1.1150687	_	1.0584335	١	1.0144197	1.0003424	0 0324487
N-mdmv-2-acetyleminofluorene	1.0203187	0.6867953	10	0.37615678	0.106923796	0.23977196	0.7895198	0.77607995	0.56701803	10250250	7.0/616,0		0.9041
sufotransferase (ST1Ct)						0000	4 0040054	0.00000	CROOTAC O	0.33411103	0.87833485	0,66518056	0.96194255
Phase-1 RCT-52	1,2617193		_		4	0.2314039	1.0240331	┸		L	0.7626263		1.1186627
Alcha 1 - inhibitor III	0.67860186	0.8037288		_	1	0.30333207		┸		1_	1.499086	1.1911296	1.261307
Sterol carrier protein 2	0.9134019		익		4	0.7400719	4 4000400	┸		L	0.9666416		1.0870864
Omanic anion transporter 3	1.0516382	_	_	1	٦	0.8223944	ᆚ	1	Ľ	Ľ	1 4353431	_	1.1746662
Calcrandin B4	0.9597128			_	_	0.49236035		4	4	1	1.1040483		1,2700888
Phase-1 RCT-182	1.0740895			_1	٦	0.47385693	-		┸	1	L	<u>.</u>	0.898047
Calgranulin B8	1.1637708	1.0767813		_	4	0.5122007	4 0697747	┸	1	L	┺	ш	1.1903493
Aldehyde dehydrogenase, microsomal	1.0036554		1.0435328		1	0.80044004	4	1	L	L	1.0494541	0.8783803	1.3684152
Phase-1 RCT-128	0.8660524	_	_	_	4	0.30007014	1	┸	1.	Ľ	0.5372141	0.4843836	0.7290464
Phase-1 RCT-102	œι			4	4	0.32.100013	1	٦	L	<u> </u>	1.2462364	0.8079017	12103612
Preproalburrin, sequence 2	0.74709076	0.68460494	1	0.3377393	0.448008524	0 14833435	L	+		0.8411339		_	1.4489447
Apolipoprotein All	0.8452994	8452994 0.33138446	0.206/230	-	—	0.7475591	0	L	0.8494211	1.0393593		-+	1.4242687
Phase-1 RCT-10	4 4676100	_		<u>ــــــــــــــــــــــــــــــــــــ</u>	4_	L	0.9687007	1.1085708	그	_	4	⊐ L	0.883595
Phase-1 RCT-48	0.7650848	0 72655908	ļ٩	1	Ļ	Ľ	0.85676795	0.84953463	0.6228061	0.7817489	1 1,2292513	0.7770482	1.124342
Phase-1 RCI-6	10000			1									

8			1120000100										1
Dhase 4 DCT 88	1 1482127	1 0050626	0.954527	0 77122337	0.56224936	0.69902986	0.75448465	0.7727982	0.89975256	0.92044777	0.95901144	0.9411321	1.0049641
Bota alarina synthasa	1 1795187	1 394049	0 9007685	0.97064894	0.4602472		1,080403	-	0.77138054	0.9384746	1.1282348	0.7208334	1.3825914
	0.80776596	0.31703943	-	0.13808266	+-	0.102809474	1.01345	0.7855847	0.6128551	0.15891298	0.8048253	0.6015903	0.763848
lii es	5902854			7		0.11700969	0.9088653	1.0083947	0,68205196	0.48194855	0.9202982	0.62312734	0.8345837
Phase-1 RCT-291	0384343	0.97272164	0.82524663	0.95858014	0.91174126	0.82834613	0.9644906	0.9999749	0.80765086		_	0.845613	1.0258198
Carbonic anhydrase III, sequence 2	1.145894	1.1169673	0.8347482	0,6943858	0.35310948	0.538658	0.6276339	0.638686	0.41986346		_	0.80877715	1.4628072
Phase-1 RCT-271	- 0.9253091	0.9352302	0.5926202	0.9161555	0.6862688		-1	0.9533853	0.7467103	0.6419573	0.7477193	0.6939642	0.8282959
HMG-CoA synthase, mitochondrial	0.7748461	0.8827918	1.1609857	1.5718887	1.4164414			1.1530441	1.0298709			0.9973144	0348146
Phase-1 RCT-189	1.0133795	0.90185684	0.8419196	0.79439205	0.7556233		دا.		0.707485	0.8/64/76	0.692220/45	0.89/03034	1.27.00 100
Phase-1 RCT-40	1.0288253	1.0145277	0.9058137	-	0.5867/853			_	0.70273207	0.00200333	_	001100	300200
Urinary protein 2 precursor	0.7636657	1.2291912	0.7398764	1,5151533	1.1272709	_		الم	0.8846574	0.59611406	0.93/8382	0.87498	3037310
	0.84782864	0.731044	0.6989097	0.6638049	0.46069768	_	0.90001106		0.73201966	0.75029147	_	0.8712363	1.11/2462
old binding protein	9832148	0.60769534	0.5953544	0.6394367	0.12195658	0.35434705	1.4778444	1.0908494	0.76437724		0.76460036	0.70323220	1,2300397
Presentin-1	7023558	0.79924726	0.4349051	0.48846507	0.19402889	0.30104074	0.6248035	-	0.0004300	0.402001	4	0.30323707	76036
Phase-1 RCT-38	1,0260766	ĕ	0.81496906	1.4826338	0.80742/94	1.43641/2	1.0438038	-	0.0034227	ZOI PCOR.U	1.1403001	0.1002/007	4 474 4790
Phase-1 RCT-270	0.8935978	0.8142408	0.64830214	0.45545014	0.38240/13	0.3776883	0.90030/33	0.0109340	0.0031017	07000000	4 0750348	-	O BASESTA
Transthyretin	É	0.5126207	0.51419926	0.4829779	0.33406/4	0.28/80538			0.003000	0,00090904	1.00.000	1	001000
Hepatic lipase	0.82758304	304 0.74184008	0.53936267	0.5445957	0.42503393	0.40853193	0.94665354	-1-	0.6945092	0.45619037	0.0224274	4	0.9104178
Cytochrome P450 11A1	1.0603014	1.1642568	1.1394004	0.6783815	0.5155804	0.625/114	1.0238/18	1.020207	0.000039014	1 1134781	٠la	-	1 365613
Phase-1 MCI-1/5	glachez.r	1.0092630	0.004/030	12141933	1.1104032	0.2330403		4 459077	0.00200	0 8796454	4	+-	0 91279817
Phase-1 RCT-117	1.152223	1.15/2388	0.90341383	0.9835641	0.5435337	0.00113/33	0182800.1	1,103077	0.03/8322	750058	4 4530EDE	-	1353768
Phase-1 RCT-137	0.78882223	1.2868757	0.8316168	1,3951693	0.99676466	0.89/0310/	0.7773414	0.9282121	4 00773	4 254004	0.0720487	+=	0 80330137
Melanoma-associated artigen ME491	2,118,1684	1.0002	1.07/9825	2.4600/8	1.5066544	1.0900200	4 4500000	4 0043870	0.0841075	1 1885371	0.0177635	-	0.87265795
Phase-1 RCI-12	0.9293912	0.8847836	0.9065233	1,8631 (58.0	0.9742033	0.7860527	1.1399000	0.03450480	1 087118	1 1847248	0.85516584	-	1 0511379
Phase-1 RCI-152	1.038670.1	1.3891824	1.401849	4.44863314	3,0004192	4.04050	4 4090447	4 4404082	0 0307132	1 3026054	1 0073746	1 0937468	1 253323
14-3-3 zeta	0.93064713	1.0259876	0.7577298	1.1433018	1.30/8/8	0.012.1	1,1039417	0.76440346	0.07777700	0 63443876	0.0030505	0 6998452	1 4524951
Cytochrome P450 2C23	0.87745	0.31689978	0.1010101	0.31811484	0.222/116	0.14021212	4 400004	4 2003773	0.457720	4 4785404	4 0777904	1 0489185	1 077714
Voltage-dependent anion channel 2 (Vdac2)	1,0582712	7582292.T	1.2053946	2.2861105	8/14808.T	1.7	1.1080801	S//S007-1	0.12049030	1000			
Phase-1 RCT-154	1.0083412	2.288147	2.383056	4.6043005	4.404344	4.1387997	0.97005326	0.9576501	1,115014	1.1224256	1.0526112	1.0315523	0.8123731
Superoxide dismutase Min	1.2421241	1.428933	1.1789733	2.8132963	3.631148	2.358562	1.1644005	1.1525052	0.83817893	1.1752942	0.9713565	1.0026956	1.7931311
c-m/c	1,2134513	0.5801836	1.0663662	0.8349579	1.6828226	1,1433551	0.95330536	0.9119935	1.6357814	0.896512	0.8532857	_	1.0541184
Phase-1 RCT-198	0.89831768	0.99005955	0.84055257	1.1805669	1.7293981	1,3152212	0.9402876	0.9100253	1.0893067	0.9824916	0.9433623	_	0.90562934
Cyclin G	0.98754877	1.5124706	1.2798419	3.440135	8.628878	4.770808		1.2254753	1,5915552	1.2039192	1.1884351	1.1426753	0.927368
Calgranulin B5	0.9936981	1.0504888	1.0634937	1.2586764	1.2398617	1.209278		1.0595907	1.337788	0.97850174	1.0168499	-	0.6879504
p53	0.98022634	1.1633922	1.0944346		1.8704671	1.6200306	0.9119639	0.90687495	0.96416485	-+	0.8967571	-	1.0585759
Phase-1 RCT-205	0.8056635	0.9776244	0.96643408	٦	1.4146328	0.8011008	0.93763334	0.9175087	1.1424887	-	0.92307687	-	0.83105266
Phase-1 RCT-88	0.97528446	1.0317582	1.0428107	_	1.3839582	1.1215438	1.0802022	1.062245	1.2459819	1.5620099	4	1.0606/42	88696393
Caspase 3	1.1775268	1.062382	1.1106133		1.077752	1.0425097	1,229417	1.1203736	1.1332345	1.0063554	4	0.903509.0	17/51000
Alpha-tubulin	0.99877465	1.2440376	1.1698172	1.309845	1.2064003	1.2001715	1.1132717	1.0914769	0.8898389	1.0894051	-	1.130693	1,0108411
Ribosomal protein L13A	1.2428577	2,2039905	2.1535406	3.2626903	3.2222893	2,5970268	1.4579102	1.6483915	0.8601038	1.6183573	-+-	0.903/8684	21001333
IgE binding protein	1.0970899	1,2579374	0.9718072	_L	2,930634	1.5511414	1.0512024	0.93985355	1.3695757	0.986367	0.8910483	70000000	0.7018330
Phase-1 RCT-39	1.1249387	0.94596887	1.190913		1.309749	1.4161114	1.0445861	1.0333231	0.830/0100	4 077763	1 10/3705	4 4772711	1 0556089
Cofflin	1.0442724	1.4381027	1.2833525	1.6438514	1.45/13/	1.3132030	0.34702304 0.0070824	0.00730924	4 4594432	0 83528835	0 93935384	-	0 83805525
Heme oxygenase	7184671	0.84249496	1.0063974	1.000013	2.502050	1,1100910	200000000	0.000/202	4 2278507	0.08228836	1 0886003	+-	0.954865
Phase-1 RCT-241	1.1735768	1.3099661	1.2119621	1.4434941	2,80541/8	1.629634	7770300 v	0.0510127	0 7400438	1 9048372	4 4824393	1 1062683	1 6887826
Kibosomai protein 59	0.944808	4 0504370	1.8918/00	1 3955059	1.9 132043	4 20589434	0.0523556	0.8593832	1 2935637	1 0043358	1,0008169	1,1131915	0.8311171
Antiology and India	1 0318185	1 1400254	1.0530330	2 0696962	5.4212504	2 3782387	1 1350992	1 277719	0.9853934	3.3298848	1,3016456	1.3661621	1.2406984
Phase-1 RCT-180	0.80037787	1.1296495	0.9405158	20179589	1,9922869	1,730,7063	1.0763104	0.93116623	0.9008318	0.9629032	1.342655	1.1933385	1.0168844
Multidate resistant protein-1	1.1624874	1.6557432	1.9675676	L	7.384141	7.3518043	1.1213814	1.0503424	0.9900291	0.99558103	0.977274	_	1.2337555
Omithing decarboxdase	0.9590167	0.7149722	1210663	1,7995785	1.8088492	2,528514	1.176092	1.1380397	1,2392683	1.6271954	1.2315495	1,292,7084	0.94158804
Thymosin beta-10	1.2473649	1,6998695	1.5861318	2.4944253	2.0289629	2.0181258	1.3100605	1,4969864	0.8640092	1.3471377	0.8884974	0.9514072	1.4453231
Phase-1 RCT-72	1,0436133	1.0338454	1.1772991	1.7775879	1.6667311	1.522107	0.92086723	0.8077973	1.2706705	0.93133634	0.95378615	1,0338881	0.6708951
Phase-1 RCT-109	0.8540916	1.9160272	1.8740228	0.7387065	0.84400976	0.95269257	1.3006603	1.4978039	0.905875	1.4498234	0.87060946	0.9817487	1,4736047
Phase-1 RCT-76	0.9456143	0.82859796	0.87487715	0.93467605	0.8795313	0.872274	1.3167675	1,29576371	1.1716533	1.3541600	0.86009035	1,09104381	1.1952024
Vacuole membrane protein 1	0.92396665	1.315827	0.9203619	1.3998557	2.0109994	1.2461137	0.7916371	0.84446431	0.920156361	1,3448340	ICRR92A'O	1.1/095001	1.000 1021

Dece 4 Oct 450	CC2020T 0	0.007700	1 702066	A 777047E	0.0074069	0.07704446	0 0775000	0.0094766	4 4395030	0.044040	4 0004004	0.0004040	0 700254
Phase-1 RCT-113		1.1812654		1.2205924	_	1.1926838	1.223645		1.2681078	1.4677118		1.1394359 0.95120066	0.95120066
Endogenous retroviral sequence, 5 and 3*	0.9027519	0.9027519 0.87735987 0.9999994	0.99999994	1.0143306	0.90660965	0.7128742	1213356	1.2235526	0.8279691	2.3012395	0.8011342	0.7676363 0.94191647	0.94191647
LTR													
Beta-actin	0.9697028	1.425739	0.94162154	1.750575	1.265545	1.5824912	2.3040056	2.0273225	1.07393	2.7878108	1.2672379	1.4041195	1.2431613
Phase-1 RCT-65	1.043522	1.0860897	1.1386333	1,3903891	1.0703056	1.2085007	1.1739428	1.1806263	1,3234937	1.6624568	1,1367786	1.0949265 0.72533023	0.72533023
MHC class I antigen RT1.A1(f) alpha-chain	0.95949954	1.5004892	1.8067527	1,6289176	1.8789735	1.5991728	1,2818154	1.4500879	1.1003578	1.3148192	1.0803581	1.0627859	0.7898967
Bax (alpha)	1.0679818	1,332116	1.4372963	2,6248136	3.9086614	3.0786192	1.2385264	1.2369996 1.3569362	1.3569362	1.2693458	1.2693458 0.93384796	1.0653334	1.1471728
Carbonyl reductase	1.032963	0.944806	2,4768586	0.9190734	1,1011152	1.1157993	1.1157993 0.94476664 0.88366693	0.88366693	1,4660344	0.99531305	0.946986	1.002473	0.90565115
Beta-actin, sequence 2	1.0368975	1.516129	1.1618828	2,521,8012	1.478957	1.7546809	1,2332537	1.0877949 0.97029008	0.97028006	0.92969763	0.9317649	1.1341707	1.1697994
Interleukin-10	0.9796477	0.9964011	1.1390786	1.1390786 0.94450516	0.99678594	1,2259692	1.0643572	1,0643572 0.99761665	1,2399129	1.0596876	0.8074315	1.0555445	1.3393159
Phase-1 RCT-191	0.9129049	0.9922228	0.9284492	1.336952	1.4646564	1,3259895	1.3259895 0.97059685	1,0260553	1.3154	1.0503707	1.0233644	1.0512861	0.8547019
Phase-1 RCT-111	0.84275585	0.97371393	84275585 0.97371393 0.78760904	1.1292341	1.0621108	1.019894	1.3445319	1.343094	1.2443621	1.4299519	0.9475597	1.1287097	1.2883321
Apoptosis-regulating basic protein	0.85304534	1.2013282	1.2013282 0.76688313	1,2361985	0.9529141	0.78365337 0.92534095	0.92534095	1.0049518	0.8887545	0.98230964	0.97182816	0.9703873	0.9615398
Glutathione peroxidase	1.0181545	1.0181545 0.82791847	0.7704902	1.0172722	0.4850058	0.5103364	1.0462865	1.0462865 0.99859995 0.65826696	0.65826696	0.42864376	1,2343097	0.54906553	1,1009935
Phase-1 RCT-239	0.8709341	0.9535451	1,0813566	1.259676	1.1736157	1.6064131	1.1130126	1.1102828 1.3730361	1.3730361	0.8380306	_		0.71939546
Phase-1 RCT-67	0.94170463	0.8195927	0	0.8473613	0.7991966	0.776532	0.9144961	0.9752032	1.3975861	0.75212514	0.8959288 0.89959407	0.89959407	0.7825044
Tryptophan hydroxylase	0.9486884	0.9486884 0.94634265	1.027837	0.9484835	0.9156227	0.8285416	1.1088933	1.1088933 1.1084284 0.8539998	0.8539998	1.1643839	1.3318605 1.1031317	1,1031317	1.1438615
Sulfotransferase K2	0.77890056	0.67853093	.77890056 0.67853093 0.54878366 0.51699126	0.51699126	0.6135232	0.81896603		1.0854058 1.1530807 0.78813573	0.78613573	1.1638468	1,1086125 0,93826765	0.93826765	1,0137986
Calgranufin B9	1.1328754	1.1255927	1.1328754 1.1255927 0.87797755	0.8397562	0.75175935	0.6307621		0.8701226 0.84653497 0.90812653	0.90812653	0.73103	1,0793506	1,0793505 0.88315787 0.74987143	0.74987143
Phase-1 RCT-123	0.8500373) '	0.9463656 0.8279407	1.0456605	0.87194	0.9461917	0.9461917 0.89357257 0.84965116	0.84965116	1.1602521	0.92441034	0.92441034 0.95812714	0.9684989 0.84921455	0.84921455
Phase-1 RCT-98	0.845746	0.8947755	0.8969064	0.9381064	0.8153956	0.8441597	0.9837325	0.924431	1.1709325	0.9530799	1.0046631	0.9405588	0.8584563
Aquaporin-3 (AQP3)	0.88066345	0.8550177	0.89331007	0.8123487	0.747896	0.8408249	0.9468608	0.8982902	1.149028	0.91994816	0.91994816 0.98127615	0.960515 0.79357755	0.79357755
Stearyl-CoA desaturase, liver	0.7770879			0.06016436	0.09470315	0.04473025	0.4584087	1,4982961	0.34565786	1,4982961 0.34565786 0.055592522 0.08423947	0.08423947	0.2571235 0.18653493	0.18653493
Phase-1 RCT-64	0.9196175	0.6501602	0.4911111	0.4075763	0.3080581	0.37196994	1.1396965	1,018915	1.0039473	0.66218376	0.8711778	0.8698717 0.85274728	0.85274728
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of													
treatment/control for all 24 hour predictive													
Control and desired and desire				1									
(z) Compound and dose abureviations as in Table 1.													
(3) Individual animal number													
(4) Liver inflammation dassification for				-									
compound-dose group at 72 h: yes-nect.			•										
inflammation observed; yearbour, necrosis wait			-										
observed												_	
(5) Predictive gene (as in Table 5 and as included in Table 26)													
The country is a second transfer of the country is a second transf													

Table 29. Expression Data for 24 Hour Timepoint (1)													
		П		П	П	П							
2)	CYCA 20		-+					_	DEX 30	DEX 30	DEX 80		DIF 25
Animal Number (3) Liver Toxicity Inflammation Classification (4)	no 425	28	25	70 435	436	1344	1345	1346	1354	1355	1356	244	245
Gene Name (5)	4 0745720	4 0000700	0.004004000	0000000	13077000	-027	702000	0.00		30,00	072000		
Phase-1 RCT-145	0.8580293	0.84039456	0.90124100	1.361/6/0	0.9044291	1.0504/6/	1 1178432	1.377256	1.210/049	1.0494667	1.1047.70	4 023024	1.1522331
Gadd45	0.898972	0.9870908	1.1308373	1.6655682	1.1475778	0.8988565	1.1327127	0.61942	0.9538803	. 62	0	0.8870292	1.0341849
Phase-1 RCT-78	1,3069156	1.167088	0.97891825	1.1266862	1.0271409	0.9016074	1.047702	0.95241886	0.8143447	0.8395853	0.94153935	1.2081366	1.0054765
Fas antigen	1.3964238	1.6514571	1.0852808	1.5930828	1.3967149	1.1093762	1.0405878	1.209605	1.3190597	_	1.2463725	0.8307147	0.9383163
Macrophage inflammatory protein-2 slipha	0.87978137	0.98359364	1.2305254	1.1006483	1,3060907	0.89393485	0.9056923	0.8391192	0.9527214	<u> </u>	0.7477584	0.90888435	0.852841
Dhace 1 BCT 207	1.089980/	1.109/558	1.427846	1.117/1/9	1.0817413	1.3321288	1.1186386	1.132/616	1.4544283	1.1433304	1.14/3/8/	0.9149853	0.8543854
Aspartate amnotransferase, mitochondrial	1,1472163	1,15753	1 2215959	1.1118712	1 1910645	1 0848434	0 8319336	1 1122069	1.0257474		1.0777255	0 97087246	0 9231978
Casein-alpha	0.78269327	0.7482339	1.108623	0.85248625	0.8625127	1,2160432	1.1297072	1.1567578	1 2928911		1.1291968	1.1380421	1.0896225
Malic enzyme	0.6679539	0.6937668	0.75793225		0.5189262	0.8629787	0.9793479	1.0296935	o		1-1	0.90268356	1.5387187
Hasse-1 RCT-30	4 4427520	4 4692020	1.0757288	0.7502441	0.78392947	2.942094	0.9463048	2.0264916	3.270158	3.5476508	2.5618885	1.1773324	1.0932038
MAD Grace Finase	4 0001459	1.1002830	4 0474450	4 7-70-7	1.2030434	0.00000	1.0300233	4 0060703	1.0247957			1.0/61106	C160269910
Sodiimbhirose ontrancoctor 1	0.8797828	0.705238	0 7822508	1.2201122 0.8268708	0.0884004	0.06506477	1.043104	4 0479275	0.07687365	0.67075555	0.0349223	0.5054016	0.9912357
Phase-1 RCT-27	0.57025605	0.859726	2.0736532	1.4296077	0.6832893	-	0.77883804	0.7451283	0.8625036	_	1.3127195	ľ	1.0311972
Phase-1 RCT-50	0.9605634	0.8938182	1.0844314	0.9487388	0.9041121		1.0487024	1.0769858	1.1814307		1.0143969		1.0833458
Phase-1 RCT-192	1.1163645	1.1802254	1.0971167	1.1832418	1.3586617		0.8207323	0.8912228	0.9132519	10	0,8665707	0.8455856	0.9036466
Phase-1 RCT-288	1.3390166	1.198772	0.7762905	0.9089493	1.0402434		0.88052344	0.75796336	0.8613958	1.0593352	0.9401083	0.7449552	0.74631274
Phase-1 RCT-37	0.9969303	1.073692	0.99277616	1,241572	1.0928205	1.4140047	0.9580507	1,3021775	1.6177237	1.5932928	1.3942528		0.9426175
Organic caudo transporter 3	1.1465/86	4 246220	1.1503327	1.4467344	1.186245	1.1565741	0.8840005	1.001734	1.2119286	1.1081155	0.9716686	0.76857245	0.82878554
Zinc finger protein	0.80139434	0.967137	0.9269166	10		0 83357736	- 3	0.906333004	0.8712403	0.8712403 0.99134578	0.902097		0.91818416
Calgranulin B2	0.81670403	0.8279605	0.9338373			0.78284845		0.8527429	0.68660533	0.73552938	0.6389192	0.9439342	0.9730548
10-4	1.0849609	1.0751164	0.88596576				1,1538845	1.160872	1.1738592		1,1359069	1.1631093	1.1715382
Phase-1 RCT-92	0.9620701	0.8869293	0.81749076		0.72130245	_	0.91720635	0.9976957	1.0855581	1.1530167	1.2251908	1.2324997	1.1045401
Phase-1 RCT-115	0.78676057	0.9098844	1.1519436	_	_	9	1.1850419	1.3397177	1,3142586	_1	1.2469487	1.22376	1.2578727
Metrin F/G	1.2102444	1.2889785	1.1718001		1.4787639			1.233895	1.1326349	1.2895017	1.2039557	0.7044983	0.7401431
Desce 4 Port 70	0.8565832	0.9/4222/	0.8851123	٧.	1.00/6896	_		0.85413095	1,0355821	0.96384585	0.8695266	1.2703248	1.0603034
Sorbital debudmonase	1 1250803	1 2606628	0.0043340	1 2823/08	4 326265B	1.335//05	1.0386515	1.0106294	1.2649432	1.1664184	1.0738051	0.9684017	1.0283635
Phase-1 RCT-24	1,1307176	1.2480134	0.8827383	1 0667393	1 1271156		0.93595195	1 4813714	1 6382496	1.3259889		0.9570155	1 5051441
Calgranulin B1	1,0528826	1.2314798	1.0955454	1.4241946	1.0590605		1.0855297	0.9751445	1.1417158	1.1499153	1.0125271	-	0.80407745
Elongation factor-1 alpha	0.96901953	1.0944589	0.89620084	1.093791	_	\vdash	1.0483758	1.0925428	1.0840623	1.2337308	1.0939821	1.0740578	1.0924808
L-gulono-gamma-lactone oxidase	0.6397069	0.7580304	0.670311	0.6397245	_	0.96058315	0.75596833	1.0206794	0.9258762		0.97312564	1.0264962	1,2316203
Phase-1 RCI -33	0.943084	1.3082712	0.8549936	0.9939307	1.212808	0.8485021	0.8485021 0.83716697	0.8621183	0.7999304	٧.	0.9205629	0.6922109	0.81229883
Phase-1 RCT-233	1 0905813	0.0134370	0.6530878	0.74444047	1.03/2682	1.4035677	1.3333827	0.05333013	1./341/35	1.3522386	1.3048615	1.1261/15	1.7144154
Phase-1 RCT-38	0.9264725	1 1017169	0.000000		1 0500449	0 7868174	0 9716932	0 94119775	0 7624822	_	0 9035047	0 89854284	0 03919253
Phase-1 RCT-242	0.81423676	9	0.8829714		0.8469437	1.1116986	1.1538302	1.100549	1.3228401	1.3140354	1.2169123	1.1442951	1.1995293
Phase-1 RCT-181	1.171667	1.1700705	1.0928146	1.0154092	1.0935737			0.9691011	0.9829947	1	1.1257753	1.0112641	0.97682434
Phase-1 RCT-185	0.92351246	0.90848994	. 0.7178328	0.7532542	0.7056111			٧,	0.64822245		0.68231165	1.3714492	1,101825
Phase-1 KCI-179	1.0298331	0.94012225	0.790566	7	0.84292257	0.94362843	0.88859165	0.7789137	0.82801825	0.97821313	0.85681975	0.7720468	0.8935874
Phase-1 RCI-144	0.9665857	0.8624127	0.8728544	_	0.85489565	+	1.0228603	1.0279365	1.0068527		0.99711704	_	1.1018745
Dhace 1 DCT 295	1.0405927	1.1221/93	4 0474476	1.0581249	1.0602478	1.2772547	0.8444852	1.2714325	1,331598	1.2245946	1.1609969	4 075005	0.91538817
60S ribosomet protein L6 (alternate clone 1)	1.0898371	1.21699	0.97310203	1.3840315		1.864099	0.9601462	1.3303138	1.6762054	1.7611854	1.5705056	0.8197972	0.869869
Beta-tubulio class (0.89261997	0 98078185	0.59088033	0.71056843	0.7875011	1.0700851	0 7036567	1 5008382	1 5449330	1 2213545	4 223REA	1 245116R	1 9649289
Multidate resistant enclain-2	0.96252924	0.9865633	1 2161293		1 0002177	1 390414	1 961758	4 308424R		1	1 3526287	1 02338	1 1054993
						To a Lorenza	1	12.21				11000001	2001000

DETAIL 1 DOT 10	0.04888607	0.00086578	0.8637526	0.0055895	0 00088693	0.8587477	1 0142577	CBC21220	0 8948476	0.8914739	0.94580895	0.96053374	0.97881585
Calgrandin B3	1.0046576	1.1963956	1 2202446	1,2503719	1,2359508	1	_	1.3200431	1.9172125		_	_	0.97454774
NADP-dependent isocitrate dehydrogenase,	1,1761235	12011366	0.8708404	1.1200138	1.1639205		0.88082653	0.78248703	0.6664904	0.8769386	0.78503476	1.0874642	1.0622396
cytosolic	0.0040706	* *000004	1 1000961	4 047044	4 4206486	20425403	9000000	2 1388050	2 0335018	2 4883935	1 7461702	0.9957088	0.8854389
Codiments and commenced	1 1035303	0.82277054	0.46768003	06407300	-	_1_	0.65490006	0.5301635	0.5905081	0.3612221	0.4591897	0.6875928	0.8168652
Dheed 1 DCT 474	0 00621495	0.04723386	0.7614706	1 0035421			-	0.89044523	0.82394004	:=	0.83003396	1.3118658	1,2378564
Dhoen 1 DCT.77	1 1657381	1 1402133	0.5927871	1 07274R3		┺-	-	0.83694077	0.7765704	_	0.80966747	1.2597748	1,2101672
Inesite notanhosphate multiplicase flority	1 2332034	0.7722422	0.41603515	0.50332415		_		0.9791482	1.0882916		0.88563156	1.4883032	0.9904245
Phase-1 RCT-256	1.0287266	1.0267929	0.81924117	0.85307133	0.95928043	0.9612078	0.9343951	0.9522353	0,99817693	-	_		0.96746266
Equilbrative nitrobenzyttrioinosine-sensitive	0.92443955	0.8377082	0.74950397	0.83477676	0.7928226	0.6147467	_	0.58849325	0.3963633	0.5255498	0.6012438	0.990347	0.8051648
nucleoside transporter	, 000000	4 4705004	0.00744504	0007070	00000000	4 204 0044	404000	1 0100383	1 2/85787	1 4001474	1 044247	0 0564650	0 92584443
CDK102	1.2209309	1.1/35921	4 2472748	0.827820	1.1242399	765707	0.890689	0.7833586	0 61470354	0 77247R5	0 740865	0 9775442	0 9864036
Phase-1 RCI-209	4 4620078	0.0001004	70807787	0.03424073	-	0.72368308	0.8655653	0.78858346	0 70755637	0.7378865	0 7880528	1.0253376	0.98977226
NADR-Cylodiforne up reducase	1 1025010	4 0250887	0.104/2007	0.1000102		1 0419639		0.9604431	0.98289144	0.9810203	1.0125628	0.86978034	0.8956808
Conseques marker emitsin-30	1 1176964	0 9005888	0.68092304	0 67977047	+	0 17518531	1	0.24383912	0.0909845		0.15778667	1.0460982	1.1221726
Phase-1 RCT-89	1.0946219	0.8981101	0.7978234	0.90688086		+		0.8372636	0.8369598	0.86916006	0.82313204	0.8204704	0.84280735
Camiline palmitovi-CoA transferase	0.92144376	1.0596149	0.8805389	0.8907098	0.93787193	-	1.3848597	1.4197683	1.5378056	0.98240787	1.1180823	1.1066844	1.0428252
Alpha-2-microglobulin	1.075236	1.254017	0.4731546	0.44711518	0.69735605	1,4934936	1.2729481	1.2952225	1.2682313		1,2278763	1.0295542	0.7215471
Apolipoprotein Citi	1.1009572	1,054559	1.0141109	6,4077828.0	1.0457902	1.0097816	1.0441012	0.9882657	0.81321216	익	0.9899838	1.2155291	1.0541718
Cathepsin L. sequence 2	0.9187442	1.053295	1.325772	1.6699927	1.2260942	1.1278893	0.7797205	1.0938381	1.1526314	1.1994022	0.9928828	0.8298714	0.812287
Phase-1 RCT-141	2.3370142	3.4748492	3,3231957	4,8327985	3.904397	0.9497877	0.9863335	1.0666087	0.99820936	1.0012814	1.0943615	0.7459462	0.7832313
Phase-1 RCT-289	1.2829828	0.95499766	0.76563865			0.78344905	0.8623292	0.7723944	0.8372743	0.77634174	0.7640896	0.9338304	1.0862224
Endothelin-1	1.1486692	1.1508396	1.3465445			0.49796444	0.642778	0.5914479	0.63329047	0.57460994	0.75228194	0.9622728	0.9269817
Phase-1 RCT-282	0.78946763	0.7118303	1.0134071	0.8221651	0.8770707	1.1128913	1.129539	1.0618352	1.1642276	0.9165768	0.9559118	1.0457143	1.0712075
Phase-1 RCT-140	0.9534831	1.0343523	1.1046199	1.0124578	1.1051724	1.2894878	1.0967271	1.1669207	1.6570951	_	1.416798	0.8821/03	0.95899533
Cyclin D1	0.841392	0.7136121	0.88295513	0.53638446	0.5684594	0.8868921	1.1961131	1.0818427	0.5569237	4	1.2840378	1.0500374	1.1081455
Phase-1 RCT-287	1.0873841	1.2361023	1.0568118	1.2371578	_	0.91518146	1.043259	0.95586926	0.97021854		0.7833/823	1.1138699	971001
Phase-1 RCT-281	1.1143911	1.251439	0.9262595	1.1227831		0.59806424	0.9223145	0.6730867	0.55647603	٦.	0.3000/2/	4 2005302	1.0135140
Retinol-binding protein (RBP)	1.3301706	1.1224504	0.79538137	0.9864808	_	1.19/39/1	0.86/8/64	1.1850426	1.00/00.1	-	2/90201.1	1.000000	1.0033220
ATP-stimulated glucocorticoid-receptor	1.1486589	1.0945504	0.92415833	1.1281877	0.92362005	0.75275886	1.0492641	0.56325534	0.501628	0.100000.0	0.043800	-	0.6304200
Dhang 4 DCT an	OGRESOA	1 0207963	0 9213362	1 0897968	1 0216076	0.98714006	1 1033844	1 1965562	1 2588281	1.0970411	1.122817	1.0703392	12597932
Diamete Kinsee mische	O 76809984	0.902185	1 0471885	1 2491783		1 2887833	0.9414723	1.2636769	1.2105728	1.2433457	1.1593304	1.0172545	1.2189789
DAD internation ampleto	1 0354124	0 9345446	0 9905648	1 0633708	-	0 95789874	1 0499667	1.0014151	0.95355475	L	1.0243137	0.9978563	1.0712777
Nimleoside diphosphate kinase beta isaform	1 142993	1 4085383	1.1669791	1.5273639		1.0921172	0.882027	1.1286196	1,3731439	<u> </u>	1.0549165	1.0344825	0.98568773
Gadd153	1.013138	1.1860693	1.1560538	1.1675631	_	1.2919445	1.1944822	1.1410551	1.4994215		1.3056116	1.2054006	1.1358725
Insulin-like growth factor binding protein 1	1.408841	1.4273657	1,1655009	1.1625943	_	0.96686053	0.9254602	1.0641761	1.0126386	0.95371836	0.97397095		0.6609483
c-H-ras	1.2048957	1.4656397	1.3118485	1.379995	-	0.7347537	0.94246083	0.8674112	0.804673	0.7479881	0.70300907	0.9350114	0.72325/06
N-hydroxy-2-acetylaminofluorene	1.0513389	0.89526016	0.6630721	0.7701618	0.5906033	0.70973957	0.7082622	0.47482076	0.41500040	congz//c'n	0,01011340	0.8030100	0.13263430
Sulforansierase (ST1C1)	4 150222	1 012461	0 59263515	0.7931949	1.0602552	0.8279913	0.8894288	0.76785254	0.7786338	0.7682724	0.8377238	1.2104434	0.99696314
Alaha 1 - Johibitor III	1 1048896	0 7858807	0.55278397	ഥ	0.5383897	0.51709056	1.1284292	0.6118412	0,49552074	_	0.55398333	1,4102213	1.1390623
Sterol carrier protein 2	1.0309416	0.9823667	0.96672446	-	1.0678942	0.6661981	0.7685371	0.6565398	0.6457644	0.63709015	0.6321107	0.83367574	1,0140433
Organic anlon transporter 3	0.94784568	0.91681343	1.076507	0.9376372	0.879915	1.2515669	0.88467814	0.7035663	1.2976725	1.0973067	1.0853355	1.2188452	1.1004206
Calgranulin B4	1.2062724	Ц	0.9383328		1,2223859		0.9638431	1.0238752	0.91697	1.1251256	0.95539945	1,0360509	1.1526017
Phase-1 RCT-182	1.2598532	0.9704698	0.86615866	_	0.9196985		0.96125007	0.93575203	0.8883732	0.89589727	0.85295836	1.0180123	1,0299795
Cafgranulin B8	0.9207471	0.8106812	0.7963557	_	0.79255325	1.0900605	0.91114527	1.0774046	1,356833	_		0.8724914	0.9650572
Aldehyde dehydrogenase, microsomal	1,2996749	1.5529506	1.0317655	4	1.2268202	0.9280436	1.0977849	1.0691354	0.8025377	1.0320721	1.001144	0.74487025	0.87641096
Phase-1 RCT-128	1,3334267	_	0.86181706	-	0.9581407	1.0203365	0.83463925	0.804/001	0.9/18/11	1.003/030		0.007445	0 078440
Phase-1 RCI-102	4 0023577	0.51873500	0.05330300	0.392860/3	0.33433330	1 0308328	1 02269	1 0347441	1 0465282	_	0.9944789	1,3818153	1 2558588
Andipopulati, Sequence 2	1 2423833	1 342044	1 3373176	0 7873854	1 3022445	-	0 78948534	0.48210308	0.48923618	1	•	0.66307074	0.59283775
Phase-1 RCT-10	1.0683129	10538461	0.835011	1.0303397	1.0437032	-	0,935358	0.9061086	0.8158517	1.0148817	0.9700916	1.0938193	0.92528565
Phase-1 RCT 48	1.3178322	1.0085266	0.84982675	0.75137854	0.8254458	100	0.80186578	1.1125082	1.0186676	0.93868417	1.0271327	1.382412	1,2894795
Phase-1 RCT-8	0.9870098	0.7955531	0,53496736	٠.	0.74220204		1.126446	1.040724	0.86236393	1.0514843	0.95104825	1.4837953	1.417707
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									- 1-	100000000000000000000000000000000000000	0.00000	0700000	4 0074242
Phase-1 RCT-168	1.2283272	1.2926707	1.0122651	1.2914813	1.0922012	0.8313901	1.0215638	0.90698385	0.7707748	4 4600735	1 240819	1 1831130	1 0365148
Phase-1 RCT-88	1.0259602	-	0.97495264	1,0264654	PCR//LCR/O	1.3003423	1,30000004	0.00 0.00	0.8424538	0.8478703	0 67362994	0.92009616	1,2033281
Beta-alanine synthase	 1	1.3963869	1.2206/17	1.3547597	-	1,6301071	4	00100100	2 2	4-	0.59820166	0 85791844	0 906794
Phase-1 RCT-296	0.7476022 (0.47680735	0.25834763	0.2967772		0.51014346	778407	2 5		12	0.15004124	1 2480060	1 3518391
Carbonic anhydrase III	1,1372169 (0.47953582	_	0.18494962	0.20283718	_	0.6604532	0.1586079 4 4206004	1 117483		1 076194	1 0858755	1.0995327
Phase-1 RCT-291	-	3.89580595		0.8513173	0.942/4/06	1.1501921	0.9001483	0.87553734	0.8811641	1 0838886	1 152333	1.2726803	1.0961615
Carbonic anhydrase III, sequence 2	1.0140687	1.0932542	0.903175	1.03//82/	0.8618306	0.05258203	0.8013676 0.67993654 0.84140754 0.97993654	0 97993654	1.1851102	1.055208	0,9271801	1.2774917	1.262436
Phase-1 RCI-271	0.8360124	1 0005533		-		_	1,3090878	1.688407	1.5119076	1,6315502	1.5197893	1.3845242	1.2408758
HMC-CoA symass, miccrommial	1 1144452	1 2307031	1.0198687	1.0475286	1.213863	0.9410226	1,3702569	12251792	0.9858558	_	0.97109205	1.0621101	1.0649163
Present RCT-103	1 1720355	0.9759463	0.6401215	0.87254435	-	0.92371213	1122	0.9367893	_		0.97558814	0.92258084	1.0001905
I binay emtein 2 meduran	1,1284551	0.98195654	_	-	_	0.65994177		0.52446467		-	0.50690248	0.71140593	0.7100032
Darayonaso 1	0.9117747	0.79010636	0.59526104	0.6978524	0.73386467	0.56938034	0.73287874	0.57232845			0.5960118	0.97979563	0.8334145
I wer fatty acid Modine rectein	+-	0.95346826	0,36454397	0.6956245	-	0.5984197	0.83462894	0.509371			0.46688688	0.7139377	0.7581012
Deserting out the property	+-	0.76908174	0.5510523	0,5630878	0.5153295	0.48736048	1.126344	0.6183067	0.46381918	0.6318533	0.55165017	-	1.1508042
Dhoen 1 PCT.38	-	0.9498691	0.78131175	0.8573137		1.079758	_	0.95235527	1.0642976	- 1	1.044451	. 1.	0.90169984
Dhase-1 RCT-270	1.3081051	0.9844962	0.92667294	0.84203523	1.0507302	0.82327455	1.0886072	0.8980894	0.9614574	- 1	0.87336767	-	0.88062736
Transfer	1.0226023	0.6438274	0.3471657	0.41231176	0.5059201	0.5974784	1.007511	0.6963937	0.65095365	0.5647217	0.60172385	٠.	0.80818677
Henstle linace	0.8205795	0.924792	0.6543936	0.621842	0.690928	1.0539937	0.662697	1.124715	0.8159776	1.2627581	1.3783838	0.69510657	1.0588205
Cochmin P450 11A1	٠.	0.77506936	0.76346606	-	0.85501915	0.4810971	-	0.55056906	0.82486705	0.43007913	0.5944328	0.67696154	0.7944946
Disco 1 Det 175	1 1149423	1 1242033	0 93352145	0.8596466	1.0438634	0.8172657	0.8191441	0.71826977	0.64082426	0.80974346	0.7337374	0.9675637	0.945/7
Disco (DCT 417	1 5104566	1 3473152	1 296784	1.3626329	1.187847		0.70457405	0.8635302	0.6457098	0.8530837	0.69925433	0.9814768	1.1962621
DE 14 DOT 497	1 0359992	0 83502706	0 70903045	0.8122262	0.93999684	0.6255344	0.65749377	0.62638645	0.5995761	0.6085627	0,56013733	0.8410449	1.0189394
Motorogram preparated anticon ME404	0 88942873	1 0837882	0.9710498	1.1542349	-		23	0.96422774	0.94398516	0.86280257	0.86577123	1.2606784	1.1498673
Meigroria associated an urgent warrant	0.00572	1 0254031	0.8052335	0.88117945	0.8661383	-	0.86834633	1.2869905	1.5861703	1.227762	1,2866415	1.1713469	1.3823446
FTR36-1 KCI-12	0.00307038	4 0813404	1 0582707	1 4261972	1.0865971	1 0188305	0.84096324	0.85160226	0.9838529	0.91070384	0.9069822	0.7159046	0.782513
Prase-1 KCI-132	4 0000034	1 1168351	0 98164254	1 1151539	1 0103863	-	1.1677584	1,2318062	1,2250646	1.099514	1.220174	1.0377859	0.9862049
14-3-3 Zeta	4 087537	0.0182776	0 71258247	0.68191214	0.87785876	0.40878305	0.61470765	0.34091064	0.2952921	0.5013147	0.47553447	0.99407655	0.9275265
Voltage-dependent anion channel 2 (Vdac2)	1.0427506	1.0050138	0.84799904	1.0833425	0.95885336		1,0431111	1.1205034	1,2532243	1.1271898	1.0429481	0.96684897	0.9548269
							20,000	000000	4 0005044	4 0408244	4 0387228	0 9850259	1 0558668
Phase-1 RCT-154	0.9002547	0.94119155	0.923289	0.89318737	1.0141993	1.1175152	1.089165	1.0468183	1.0385841	1.0400214	1,0201220	4 4046437	4 4082855
Superoxide dismutase Mn	1.3136995	1.4579132	1.4575801	2.0912316	1.9115899	1,3760265	1.1935889	1.2892783	1.5199355	1.2704133	4 5278071	1 4741662	1 174978
c-myc	0.9413008	1.2570727	1.2432101	1.2089269	1,1163868	1.2691678	1.3219734	1.435/251	1.4392300	1.07.04	1.02/00/1	0.0768804	0 000353
Phase-1 RCT-196	0.98868734	1.0310551	0.7926089	0.8070557	0.92781824	1.3587743	1.1428435	1.244808	1,35327	1,427033	4 4070005	4 2050547	0.85777235
Cyalin G	0.9439414	1.0660563	1.2003452	1.1318227	1.0697398	1.348115	1.2312993	1.1527976	1.832217	1,0820090	4 4626047	4 0532717	1 2002074
Calgranulin B5	0.83043927	0.87963355	0.8999797	0.9172889	0.8905164	1.2768388	1.0206426	1.2038026	1.4906200	12/88462	1 0110148	A 97425274	0 9827584
953	1.1289703	1.131571	1.154535	1.1306938	1.0153068	1.0591621	0.9082669	0.890808	1,0023047	0.000000	4 0034062	4 0777103	1 1246315
Phase-1 RCT-205	0.9160821	0.94452393	1.0272211	1.1299479	0.9905042	1.026/532	1.0100111	1.02023000	4 4407443	4 481459	1 14257AB	1 0827061	1.0981326
Phase-1 RCT-88	1,0785478	1.0822141	1.0803503	1.2140108	1.17200/3	1.2000001	4 4504084	0.7702773	1 0208973	0 7434965	0.80212754	0.75663817	0,68079996
Caspase 3	0.7601255	0.8322655	1.00000	0.0000000	4 4744603	4 4724675	G 8650032	1 2524518	1 3399123	1.07709	1,3332914	_	1.1037214
Alpha-tubufin	1.0215372	1,0430310	4 2748843	4 7124127	1 59RR841	1 2663463	1.1912576	1.2523277	1,1856581	1,3362538	1.2243726	0.772004	1.0970287
Kibosomal protein L13A	0 77496803	92753020	0.0207729	1 0019716	1 0902432	0.96255344	1,1119763	0,99687016	1.06081	1.141606	0,9625751	1.0188591	0.8867242
Ige diraing process	0.8490759	0.92139715	1 1300805	1,1195198	1.0796058	1.0508671	0.984838	1.0810317	1,2475129	1.1666921	1.104852	0.90032613	0.9264361
Coffin	0 9019081	0.89589304	0.662621	0,82044315	0.82489634	0.926928	1.0218201	0.9282548	0.9462159	1.0848842	0.97119117	1.4546252	1.3694327
Heme consenses	1.01958	1.138625	1.0007648	1,2854139	1.425625	0.5271825	1,1013604	0.7973837	0.6117483	0.6303521	0.5957731	_	1.2185714
Dhae-1 RCT-241	0.7859155	1.4552926	1.3767824	2.2799394	2.1868176	1.0306824	0.9649197	1.0331721	1.0325253	1.0312617	1.0729878	낖	0.9654019
Ribosomal protein S9	1,2279115	1.4277323	1.1858401	1,3671156	1.7134383	1.1485845	0.9454855	1.0321845	12294197	1.3326836	1.3074819	1.0141214	0.96/2/09
Phase-1 RCT-258	0.902467	0.8789593	90/5586'0	0.9703758	0.9809441	0.9640819	1.0029348	1.0519202	1.0480452		1.0845/35	0.86842434	0.94.30(32
Argininosuccinate lyase	1.1377484	1.1941922	0.6948887	1.0419337	0.9429498	1.0436952	1.2862258	1.1258215	1.0457597	0.98920/2/	4 0740705	0.0564957	1 1608038
Phase-1 RCT-180	0.92152756	1,100195	1.0865346	1.0267407	1,2216153	1.0317767	1.034779	1.1908523	1.10436/1	1.003/126	1,07407657	1 3874929	1 9881731
Multidaug resistent protein-1	1.0017997	1,1590967	1.0471948	1,2279593	1.0204519	1.7038599	1.5688558	1.550ZT14	2004082	4 020010	4 4037294	1 9170657	1.9348685
Omithine decarboxylase	0.8631294	1.0292195	0.8723652	0.9949076	0.8576096	1.313035	1.2811238	1.3389/22	4 7330848	2 007716	1 8710811	0.7017548	0.72374135
Thymosin beta-10	1.1108308	1.275585	1.2182832	1.1845329	1.235555	1.5120194	1.050/42/0	4 0030488	1 9814608	1 1461796	1 0630473	0.92752206	1.0479257
Phase-1 RCT-72	0.7182395	0.7508048	1.0462437	4 5222330	4 957740	1.6134132	0 91258013	1 0456504	1 184129	1.0023848	1,0825773	0.6204044	0.7132627
Phase-1 RCT-109	1.3388493	1.0000102	1.1073263	1 1457105	1 0970685	0 9689839	1.0060817	1.006227	1.0637629	1.1246393	1,027711	0.7633197	1.021458
Phase-1 KCI-76	1.2741334	4 0008854	0.7828684	1 135929	0 92118827	0.7064615	0.8241431	0.6426439	0.52369815	0.6573219	0.5079664	0.96743524	0.88019806
Vacuole membrane protein 1	1,000,000		D.1 VANCE -				-						

					1,0,0,0,	1000000	10011001	4 0404957	4 2227E4	4 1507358	1 0857697	0 9035197	0.9819402
Phase-1 RCT-158	0.8245005	0.8245005 0.84538394	1.0929941	1.0928941 0.95219314	1.001084	1.1501331	1,004,1009	200	10/07/17	1000000	4 0004004	0 808089	0.0206048
Phase-1 RCT-113	0.97182	1.3202002	1.1965836	1.4537338	1.6250739	1.1091303	1.1091303 0.94912654	1.0210886	1.1656//2	1430800			2000
Endogenous retroviral sequence, 5 and 3*	1.3551219	1.1728796	1.219649	1.439765	1.1936044	1.485529	0.895126	0.9100264	0.92/8592	1.1086/860	700004.0	annoscor's	1975
LTR			300000	4 70000444	1630000	4 0400549	4 0837424	4 285855B	1 9535304	1.0538042	1,4361104 0,96050286	0.96050286	1,0174677
Beta-actin	1.1004/2/	1.1/5//6/1	0.845043	1.033414	4000000	4904004	4 200043	4 202660		1 3083771	1 3071054	1 1113621	1.0977235
Phase-1 RCT-65	0.8041676	0.9139243	1.0784854	1.0185388	1.0185388 0.96494496	1.1004234	1,420,000	1,002,000	1 2255677	4 3772026	4 384RR7R	1 1174963	1 197795
MHC class I antigen RT1.A1(f) afpha-chain	0.83156604 0.98434087	0.98434067	1.097573	1.0197862	1.058332	769/R9'0	1.1200333	1.231/192	4 5000000	4 454507	4 5625858	4 280R21R	1 2574457
Bax (alpha)	0.97553045	1.1394238	0.49884474	1.0988015	1.0887909	1,3836203	0.50816.1	1.30/636	1.0804 108	700-100	4 4000050	1 0480374	4 0584443
Carbony reductase	0.9571164	0.9571164 0.92558515	0.98085344	0.881362	0.9532288	1.1022089	1.0038049	1.0030038	1.2400377	1.0273333	1.1000002	0.3500470 0.0004400	20077000
Beta-actin, sequence 2	1.3962241	1.2960366	1.0574532	1.2597544	0.89934274	1.0002897	1.0091155	1.1262698	0.9433262	1.0830082	1,0020446	0./365/7	4.0000402
Impedentin-10	1,1261995	1,2868701	1.1362816	1.160035	1.0285599	1.2447938	1.1992888	1.2673883	1,2053832	1.1478756	1,0864506	1.1209637	1.0636162
Phase-1 RCT-191	0.819453	0.9079883	0.8570923	0.9010302	0.8206368	0.8987376	1.1407268	1.1853619	1.1184291	1.1184291 0.98501825	0.8941214	1.2241559	1.3596039
Dhace - 1 PCT-111	1 2927178	1.2180213	0.93236834	1.0775315	1.0678562	1.0678562 0.98779684	1.0195788	1.0716122		1.0369052	1.0369052 0.99297047	- 1	0.90630636
Appelous and delice basis amenia	1 0992397	1 0992397 0 98781735	0.74522096	0.8653969	0.8653969 0.97777075 1.0743504	1,0743504	0.8074797	0.8074797 0.91447943	0.831048	1.0513117	0.924649	. 1	0.8850107
Ordering a considered	0.9709976	0 6348981	0.37777272	0.5252379	0.37777272 0.5252379 0.60250086 0.41150108	0.41150108	0.6950009	0.6950009 0.33638862		0.40953097	0.3594439	0.8629892	1.3040823
Others & Dort 220	0 79495543		0.9096711	0.9096711 0.81164956	0.7964684	1 2491986	1.3014317	1,5640558	1.8845156	1.7338325	1,5355486	1.2516769	1.2414868
Plase I Dor 67	0.83004335		0.8850092	0 8733496	0.8880288	1.0400308	1,0396458	1.0143063	1.1168953	1.0014374	1.0014374 1.0846967	1.087328	0.9704294
Friase-1 RCI-6/	4 0000400	4 0724408	0.0504587	1 21A5BA2	4 197414	1 1974144 D 64416724	0 7803571	0.6878337	0.65719867		0.6089748 0.55584896	0.865491	1.0381091
Tryptophan hydroxydase	1.0330483	1.0724-000	0.9094301	757077	0 7474846	4 4007403	0 806355	0 8888321	1 1015989	1.1221881	0.9907571	0.9009394	0.9419764
Suffotransferase K2	0.9614731	0./6180084				4 0404905	0376020	4 0465898	4 400BAB		1 0583773	0.9716157	0.98015696
Calgranulin 89	0.920428		7	0.7372524	0.0483304	1.0424393			4 4074935	4 068032	4 0515445	1 1134479	1 0472156
Phase-1 RCT-123	0.94581276		1.1219648	1.12/19648 0.99344605 1.0085897	16909001	1.0932869	1.07.30104	0.27030340	0.1014000	4 9775503	4 4748707	4 2724 408	1 1529505
Phase-1 RCT-98	0.9501401	0.9882243	0.9405959	0.9405959 0.94542867 0.96184975	0.96184975	1.5122837	1.29648/1	7.92382	4024204	1.07/0033	201000	. !	4 4440655
Aguaporin-3 (AQP3)	0.9053244	0.9053244 0.86782247		-,	0.90353566	0.985961	1,038813	1.0196241	1.0038320	7707080	0.9102/03	E.	4 7974675
Steary-CoA desaturase, liver	0.40879953	0.40879953 0.57563408	0.113544256		٧,	0.34789202	0.8644465	1,0590835	0.6168581	0.6168581 0.54401845	0.628673	ı	1.137 1073
Phase-1 RCT-84	0.9289723	0.9570798	0.7664407	0.66359496	1.0274258	1.1499693	1.0354106	1.0481336	1.0886807	1.046755	1.046755 0.99053115	1.0094234	1,0842452
													T
(1) Gene expression data for 24 hour									_				
timepoint are presented as mean ratio of													
treatment/control for all 24 hour predictive										-			
genes (Table 5).													
(2) Compound and dose abbreviations as in										_			
Table 1.													
(3) Individual animal number		,											
(4) Liver inflammation classification for													
compound-dose group at 72 h: yes-nect,													
necrosis observed; yes-both, necrosis with													
inflammation observed; no, no histopathology	36												
observed													
(5) Predictive gene (as in Table 5 and as													
induded in Table 20)													

Table 29. Expression Data for 24 Hour Timepoint (1)													
(1)	2012.00			1	T	T	T	07 /03	EDV 40	EDV 480	EDV 460	EDV 160	FSTOA
Compound-Dose (2)	UIF 25	254	255	256	1254	1255	345	345	346	354	385	356	1434
Liver Toxicity Inflammation Classification (4)	92	2	2	8			2	9	92	22	8	8	2
Gene Name (5)													
Gamma-actin, cytoplasmic	0.9845947	1 0004563	4 20208074	0.9002559	1 1630640 1 6788801	1 1/80068	0.81713045	0.84032726	0.5834105	1.0656359	0 6419889	0.78848936	0.8150347
Gadd45	1.0453503	0.7287909	0.9086292	0.81214005	12922177	1,4613928	1.2178854	0.9731595	1.1790946	1.032838	1.162525	0.95640415	0.8753212
Phase-1 RCT-78	1.0562277	1.1915442	1.0790083	1.058604	0.98392314	1.0131279	1.3046751	1.0914379	1.0743146	1.145496	0.99779034	0.9885499	0.93706155
Fas antigen	0.6881792	0.9950752	0.9128254	0.95399106	1,3586603	1.3594425	1.2873343	0.865962	1.2765297	1.4816856	1.0371265		0.9655132
Macrophage inflammatory protein-2 alpha	1.0497901	0.9137354	1.0387785	0.94814897	1.6733148	1.5255616	1.0000918	1.076359	1.2420377	0.9796714	1.0720333	0.9714794	0.89619744
Phase 1 Prit 207	1 0788408	0.2464521	7508800	1.05413037	3 DRABOAA	1 1706065	0 7424223	0.71274686	0.6874069	0.81823033	0.7082806	0.64782435	1.0039043
Aspartate aminotransferase, mitochondrial	0.7839273	1.012397	1,1098802	1.0008178	0.92427635	1.3692247	0.8252609	0.67269148	0.6372305		1.162607	1.0561764	1.1987065
Casein-alpha	1,4848834	1.1657982	1.1490805	1.1745429	0.8558877	0.9210029	0.5841139	1.0204809	0.61913246	ш	0.8231848	_	0.95999384
Malic enzyme	2.010153	0.998226	1.1917768	1.1382847	0.8512079	0.86136454	0.60531735	0.8226769	0.52541536	0.3851195	0.54261756		0.97042644
Phase-1 RCT-30	1.5465015	0.79822177	0.9696711	0.90554464	0.8294607	0.6297108	0.6152591	1.0961319	0.43790966	0.83155143	0.712427	0.5985889	0.75655544
MAD kinasa kinasa	0.0043933	0.9658388	0.046/030	0.90702724	1 1269094	1 2795695	0.8533267	0.83194137	0.9445063		0.9368709	-	0.999311
Sodium/ducose cotransporter 1	0.5550205	0.6329358	0.6058743	0.6058743 0.63830334	1.1287601	1.1642925	2.136148	2,7275748	1.9585137		1.8867441	2.9956858	1.4167717
Phase-1 RCT-27	0.69824266	1,2631154	1.4800588	1.0258955	0.96433944	0.18153591	1.7616186	0.6086937	0.49332488		П	0.52029 0.77541304	0.5918237
Phase-1 RCT-50	1.3020625	1.0947018	1.1134381	1.1388752	0.88617617	0.94710296	0.5152757	0.95884645	0.6690646		Ҵ	0.6607592	0.7776847
Phase-1 RCT-192	0.81356335	1.0137818	_L	1.0313817 0.96884084	1.0884675	0.99543524	0.8644448	0.77897197	0.9775494	이	1.0534642	1.1018441	1.3014731
Phase-1 RCT-288	0.60184586	0.77469075		0.9327968	0.69631547	0.65147895	0.7448587	4 4470020	4 2422557	1.625849	4 9440444	4 4034067	1.0914503
Phase-1 RCI-3/	0.9016812	0.8902634		0.99999994 0.8586274	1.0449072	1.0307303	1 0185238	0.96491665	1 284659		1 1749829	13762009	0.7170525
60S ribosomal profein L6	0.7029315	0.8469934		0.90051323	1,4460454	1,5024986	1.2947186	0.80960435	1.3291594		1.3897492	1.3923753	1.1742439
Zinc finger protein	0.9336498	0.8931084	1.0458792	0.98552275	1.0369691	0.96583676	0.5982894	0.68608207	0.8635595	0.9211642	0.6985992	0.90009886	0.5840035
Calgranulin B2	1,013863	1.0054662	احا	احا	0.6456205	0.9144213	1.0140496		0.93730927			0.97572084	1.049296
10-1	1.250535	0.92166615		1.0086107	1.5117502	1.5514625	0.8616903	0.7703483	0.8531873	_	믹	0.6086617	0.65789443
Phase-1 RCT-92	0.97979826	0.9841723	0.7470164	0.9490318	0.7962785	0.7303543	1.8560541	0.9838004	1.4675742	1.1654725	1.1074867	1.38/2/94	1.1105/8/
Phase-1 RCI115	1.639739	1.0114955	1.335/266	0.335/266 1.4/58952	0.7384050	0.775983	1.40418276	0.70400623	1 0159781		_	1 2199197	0.8688852
Mult homologue (MLH1)	1,1228796	1.038397	1,0655627	0.96203804	0.9012452	1.1946628	1.088792	1,4119402	1.1248242	0.8722415	1	10	0.87386927
Phase-1 RCT-79	1.1883115	0.6955902	1,007627	0.95343006	0.9969845	0.8324709	0.7493838	1.1665455	0.7270707	0.87527215	9	0.71742153	0.8917553
Sorbitol dehydrogenase	0.8742883	1.0131712	1.031558	1.0733597	1.3096799	1.1398464	0.67331856	0.4596398	0.92380273	0.92380273 0.83296967	1.1768293	0.9542332	0.56162053
Phase-1 RCT-24	1.5861264	1.2996191	1.5939881	1.5034037	4 022005	4 4666700	0.6396526	0.408829	1016289151	4 9490504 4 9569384	4 4003345	1 0827103	4 4037532
Calgranuin 61	0.0203010	0.9091303	1 0194639	1 1455259	1 1117985	1 5073308	1 2682908	1 2598937	1.5798334		2.0097637	1.693962	1.2515804
Loudono-gamma-lactone oxidase	1,3397641	0.92172796		1.0314366	0.63131624	0.5920211	1.3836896	0.73129463	1.2617328	1_	1,5578626	0.85946125	1.0640041
Phase-1 RCT-33	0.9065056	1.1020057	12	0.9053095	1.0724941	0.7772337	1,849916	0.87267256	1.673844	\sqcup	1.1581932	1.4595691	1,339211
o-lun	1.4459878	1.0828898		1.3008494	1.9220823	1.1018791	0.7979035	1.1496426	0.9088701		0.9890342	0.8164377	1 0373303
Phase-1 RCT-233	1.3434675	1.0194436	<u>-L</u>	1.1580325	0.58097947	0.7163/61	1,500345	0.5UZ/6893	4 4477046	0.00100	0.0028200U	4 4442808	0.0264530
Phase-1 RCI-38	1.0875279	1.0832103	4 9447545	1 3025886	1 4110525	0.04933486	0.6898642	0.5412219	0.5412219 0.56921667	┸		0.8210483	0.8002034
Phase-1 RCT-181	1.1123165	0.93555415	1	1.0504079	0.9068765	0.73002064	0.91705	0.82063	0.83954346			0.9943795	1.0694084
Phase-1 RCT-185	0,8806983	1.1570312	Ш	1.0156815	0.7479717	0.9242129	0.94755894	0.7308424	1.0092249	익	1.090487	1.2458767	1.0902791
Phase-1 RCT-179	0.70744234	0.8733484		0.8531704	1.3963594	1.0014902	1,3148415	0.7943796	0.9626251		<u> </u>	1.3260224	1.0364006
Phase-1 RCT-144	1.1295192	1.2953196	1.1583499	1.1585755	1.124259	1.0434958	0.8756742	0.7410977	0.7993088			0.80504614	0.9689837
IKB-a	0.8847584	1.0159202	1.0271039	1.1171277	1.197552		0.78485598	0.57353604	0.8536878	민	1.1345508	0.9818451	1.44/9893
Phase-1 RCT-225	0.96562743	0.9991004	0.8053892	0.85829186	4 0440707	4 4907465	1,38645/8	1.2612184	1 5023104	1.7201121		1 6546329	1 0314767
lovo noceonta protein Lo (anemate Gone 1)		800017071	0.8700034		1.0440.0	1.1001433	006 1070"	2000000	1.00001				
Beta-tubulin, class I	1.9077431	1.3803464	1.6078476	1.3034828	0.7847885		0.6582632	0.7141493	0.7141493 0.85020405	\perp 1		0.69625664	0.8195305
Multidrug resistant protein-2	1.2153562	0.9508979	_			1.3437301	1.2437081	1.348887	1.2123268	1.0143793	1,169789	1.169789 0.60128355	1.0008652

										100000000		1 12010121	0 04004025
Phase-1 RCT-49	1.0496899	-+	1.0586997	1.0639055	1.0551783	0.9813357	1.1229011	0.74562547	0.86662825 U.8/U6/004	_	0.90908045	+-	1.0632862
Calgranulin B3	1.0657272		0.94990325	1.0747455	1.5059502	0.06030430		0.083580	1 5871368		1 2242552	1,8005683	1,1809169
NADP-dependent isocitrate dehydrogenase,	0.8221185	1.11316	0.99690443	0.9249450	0.0426632	0.9000033	2017	0.00000	200				
Cytosonic Octamer Myding numbin 1	0.948522	0.8865006	0,8978531	0.82123727	٠	0.92956316	0.98724836	1,4576346	0.89750355	1.1269599	0.934398	_	0.97645396
Sodium/bile acid cotransporter	0.6645965	0.99376078	_	0.72021437	0.7137379	0.9612464	2.9072728	1.2932681	2.9010882	1.2097394	0.9115224	1.4218633	1.3401401
Dhasa-1 RCT-174	1.1985651	1.2314078	_	1.2030323	0.7681459	0.9654056	0.9654056 0.80327314	0.7653621	_		0.9025396	0.8094584	1.292167
Phase-1 RCT-77	1.0689751	1,1634643	1.1012257	1.1386265	0.79124606		0.85993946	0.8226712	-	-+	0.89371276	เดียงเล	0816218.1
Invested polyothosophate multikinase (lamk)4	0.71128017	1.4137381	1,2208863	1.281418	0.9826869	0.7432373	2.6558458	1.8828884	3.0006933	1.4906067	1.7173597	1.8781348	2,130,3008
Dhaea-1 RCT-258	0.9182549	0.9607895	1.0270376	0.98799294	0.6277827	0.75940937	2.2057862	1.4984442	2.2053957	1.5591079	1.6899713	1,55821/8	1.0/41428
Equibrative nitroberzylthlolnosine-sensitive	0.79978347	0.9942466	0.89845616	0.7852143	0.7094553	0.8872844	0.99430144	1.2691829	1.2500876	1,3061357	0.74548095	0.8764174	1.1434833
rucleoside transporter						200000	4 200004	4 9063697	1 338011	1 28299011	1 2336003	1 3159884	1,1396791
CDK102	0.8635865	1.0951256	1.0565158	1.0330065	_	0.68/62635	1.300001	1.3002037	1,00001	4 4544082	4 4808035	4 34931RR	0.9160283
Phase-1 RCT-209	0.9283876	0.99077064	1.0641462	0.9635588	0.88508105	0.85/595/	1.0169013	0.9024392	0.502050	0 7707540	O 7440044B	0 9185089	1 1847554
NADH-cytochrome b5 reductase	1.0863786	12155377	1.2548279	1.2602347	0.5387091	0.5738726	4 005074	4 420420E	4 7830303	1 4512485	1 157784R	1 4523342	1 1327395
Dynamin-1 (D100)	0.7801103	0.91612744	0.7210956	0.85/702/3	0.7402272	0.84940/6	4 7.5524.F	4 0007439	2 0494868	1 7074244	1 4273145	1 0728071	1.7557583
Senescence marker protein-30	0.6569196	1.1026238	1.0750107	CRZ96/06:0		1.0000322	1.7453418	4 5472448	2 2850704	4 6074788	1 2814406	1 8845782	1.1542516
Phase-1 RCT-89	0.79287267	0.99593717	0.87565684	0.6623919	-	0.73443234	1.8920013	0.000000	0.0034512	-	0 83351505	-	0.67464083
Camitine palmitoyl-CoA transferase	1.4213988	1.1251553	1.4755423	1.1540862	1.148/088	1.11/2/04	4 42209194	4 0070012	0 00007408		0.61208975		1.4078329
Appta-2-microglobulin	0.8190876	0.8436073	0.851/6295	0.7263960	1.2037137	4 206777	0 0005867	4 4 4 9 5 R 4	1 1459274		-	0.92970735	1.5328379
Apolipoprotein CIII	1.034060	1.132//90	1,220/822	1.0030400	4 4408573	0.0450278	1 0718793	1 3114142	1.4819858	-		1.9309031	1.1855974
Cathepsin L, sequence 2	0.6718458	0.9307067	4.0955976	4 0403378	1 2475804	3 644463	1 9475887	1 587917	1 9542758	4.886254	3.7603378	3.4604926	0.7184176
Phase-1 RCT-141	0.8401357	1.04961	0.0503370	0.7573067	0 8035584	0 7283979	1 4634383	0 9184087	1.56133	0.98097897	0.8168762	_	1,358565
Phase-1 RCT-289	0.8332412	1.0636639	0.93 147 005	0.1373007	4 4563570	1 0253247	0.59303826	0.76375914	0.76375914 0.60452485	0.8258405	0,77786916	_	0.67841977
Endothelln-1	1.1482955	0.9205/61	0.965050	0.8000455	1,1303019	0 04070675	0.73830876	1 1277374	0 64334786	0.95578307			0.826731
Phase-1 RCT-282	1.3448955	1.0728124	1.0812023	1.034083	0.0000000	0.010/00/3	0.739660	0 7755941	0 7045352	0.8522809		0.8512258	1,3115693
Phase-1 RCT-140	1.0583068	0.921775	1.035540	1.092340	1.04.3033	4 4700077	4 070000	0.0558770	0.7073421	0 7442302	0.9148121	0.73514926	1.3840172
Cydin D1	1,5968148	0.9851434	1,0596805	1.0853715	0.92556137	1.4702077	1,07,33080	1 7531578	4 65408	1 57R5169	13727139	1,6263152	0.99466616
Phase-1 RCT-287	0.95390356	1.0356464	1.09/31/2	1,0000120	4 4069744	0.5001100	0 02742175	0.8264015	0.8082074	1.1572374	0.89671165	1,202,7005	1,2539408
Phase-1 RCT-281	0.86842227	0.86448/5	0.75371054	1.0194207	1,000014	0.9770230	4 4747697	4 4082503	4 12899	1 21422777	1 4929142	1.4481272	1,5939444
Refinol-binding protein (RBP)	0.7946978	1.3946306	1.1468676	0.9438083	1.2243329	0.0090071	12014/4/1021	4 4802409	2 404403	1 RARRAS	1 1526539	1 2025315	1.0322886
ATP-stimutated glucocorticoid-receptor	0.7940271	0.9727504	0.8838801	0.9391499	0.79801947	0./508124/	7.363531	1.1002403	7.19410S	Phonoto:			
translocation promoter (Gyk)	4 2077750	4 4052497	4 4837003	4 2005279	1 0083328	1.426693	0.7773729	0.595055	0.71036553	0.9963629	0.9768482	0.7979531	1.2586281
Phase-1 KC I-60	107077	0.0005557	0 00040643	0 82377737	0.81803735	1 0324525	0 761744	1 1551427	1.0597123	1.0749912	1.1219273	1.0962286	0.8073222
Pynyate kinase, muscle	1./558134	4 2042757	1 3033003	1 1574073	1 3580558	1 0963247	0.8671227	0.72015727	0.8708334	0.9441991	1.0825031	0.99041694	0.8989717
PAR interacting protein	1.033004	1 2014/840	4 2682384	1 1269659	0 96628014	1 3868898	1.1031327	1.0152477	1.0638169	٦	1,3054498	1.090767	1.131739
Nucleoside diphosphate kinase beta isordini	0.81411380	1.201	2007										
Coddata	1 3992534	1.098144	1.2021248	1,3694658	1.7199167	1.7340665	0.9036861	1.0574546		1.0782987	0.87574786	0.7575757	0.7977565
locality or with factor binding notein 1	0.6840662	0.62376225	L	0.65515804	1.3940378	0.9862287	0.91950065	1.0170423	1,3417126	1.4067464	0.8920356	1,0410536	1.044/339
C-Herse	0.75215554	1.0742891	1.0953562	1.0156398	1.0476233	1.6221459	0.8271519	0.7747231	_	1.2355654	1 4023541	1.2206491	0.81715/86
N-hydroxy-2-acetylaminofluorene	0.6366666	0.96888804	0.8405594	0.76021683	0.76598936	0.9505844	1.8756074	1.8997293	2.1344118	1.6493942	0.9/441514	1,304408.1	5
sufformsferase (ST1C1)	0 0000040	4 2070744	4 3705070	1 2833401	A2308305	0 93855198	0 97397696	0.80304474	0.9093986	0.7703894	0,6152932	1.1429944	1.302945
Mase-1 RCI-52	0.0333340	L	┸	1 1251445					_	0.93725556	0.747706	1,4316047	1.7412591
April 1 - unitality III	0.8485799	15	Ь.	0.99192613			1.5808119	1.132118	L	1.5110689	2.0090313	1.9241412	0.78366214
Occupation franchist 3	1 070038		1.0430906	_		0.94072837	0.94003004	1,2312672	0.6948014	0.6814157	0.6557858	0.5875658	0.95054793
Calmandia R4	1.0368013	1.3128741	1	1	0.6174184	1.0707477	0.61645645	0.8168197		_	0.8484807	1.0456159	1.0555484
Dhase-1 RCT-182	0.81455034	1,1357232	0.96542996	0.9188481	0.8581695	0.8095816	1.0213171		0	1.0733824	1.0565082	1.0488182	1.2398206
Calcaned B8	0.90381354	_		1.0012845	0.6530818	0.61391276	1.3448576		_	1.1215558	1.0824614	1,1211517	0.92498684
Aldehyde dehydrogenase, microsomal	0.897054		0.9922893	1.0209697	1.0349674	- 1	1.7818445	- 1	_	1.1792433	1,334,3514	1.1/35/4/	1 20622298
Phase-1 RCT-128	0.64879894	0,90755767	0.72797408	0.8744426		0.8288952	2.9452815		4		1.35/15/2	1.7300712	1 3380040
Phase-1 RCT-102	0.58129114	0.7926087	0.98415077	-	_	0.4223357	1.6716912	9			0.497 13003	4 3053507	1 834223
Preproalburnin, sequence 2	0.80343246	_	_				2.1074011		1	4 200005	7000000	1 4656771	1 2796625
Apolipoprotein All	0.60031414	ē	_	_			1,6206956	0.7155401	1.0214/01	┸	0.8278086	1 6682992	1.143782
Phase-1 RCT-10	0.7268845	4		1.0668291	0.837/8274	1 0042042	1.803/223	┸	0.8151956	┸	1.3863585	0.75125164	1.16025
Phase-1 RCT-48	1.1010865	1.5/488/2	1,8059085	_	_	1-	20186927	1	Ļ	1.09518	1.2304908	1,4811486	1,8259107
Phase-1 RCI-8	0.8952001	4	_	1	1,000000								İ

200 - 120	20000	0.0000450	4 000000	4 075440	4 4400005	4 4000448	1 6757880	4 0826385	1 4002486	4 540442B	1 3677450	1 4286089	1 2159727
Phase-I RCI-106	0.0921120	0 02304107	0.69878066	0 9796232	0.892311	0.8506036	1 7924161	1.362853	1.5018326	1,3013394	1,4841358	1,5591818	1.0308616
Retailer synthase	1.0703646	0 62277627	1.4206258	1.3399513	0.46432966	1.364337	2,4401784	1.9574517	2.8796015	2.2900102	1.4510728	2.5463014	1.4152352
Description of the second	0.8310934	4 0353827	1 0394692	-	-	0.32943535	13541422	1.2882005	1.6139804	0.6096316	0.7375369	0.81710374	1.3287432
Codeada soludrasa III	0.87455046	2 679636	1 415805	1 0263969		0.38429347	1 0248159	0.4751967	1.0399283	_	0.49929386	0.37437743	1.1060599
Dissert DCT-204	4 0076678	1 1819645	1 1672877	1 0681014	0 6345833	+	-	0.91782206	0.7504244	0.8135296	0.8459877	0.9363224	0.9839928
Corporate parturates III continue 2	0 9322353	0.9873878	0 70198005	0.9878355	+-	1=	₩	1.2035571	1.7173585	1.3761079	1.3533326	1.5923743	1,0497143
Phase-1 RCT-271	150	0.94410735	1.1792747	1.0024462	0.7188248	0.6880351	1.5033168	0.69399405	0.94878596	0.7513359		0.7684612	0.7989568
HMG-CoA synthase, mitochondrial	-	1.0712596	1,5983198	1.4532884	0.85236764	0.48113066	0.8761042	0.5718495	0.8868996	0.6585584	0.9975916	0.84083754	0.8945387
Phase-1 RCT-189	1.0044433	0.94578576	0.92284584	0.8679664	_	0.9105365	1.7235689	1.3627185	1.8778596	21202216	1.5402299	2.243597	1,5124946
Phase-1 RCT-40	0.7252309	1.1329285	0.88466555	1.0477209	0.7632098	0.85401547	1.8156971	1.6735761	2.2430272	1.5040301	1.1773834	1.3675375	12794034
Urinary protein 2 precursor	0.5270888	0.69331634	0.74524146	0.57624125	0.6924334	1.2469176	2.8324342	1.2672375	3.0221741	2.216673	1.756264	2,9005835	14711634
Paraoxonase 1	0.55655766	0.79704237	0.7382121	0.70145386	0.9174501	0.9899404	1.2883499	1.869949	1.5313503	1.0477068	1.1457033	1.5317208	1.4673971
Liver fatty acid binding protein	0.5145845	0.6751255		0.82310873	-	0.81495374	2.2449362	2,496283	3.6212106	1.1980082	1.1234883	1.5622343	2.228143
Presentlin-1	0.8820833	1.3936377	0.83080256	1.166869	0.98354155	0.7726709	1.7223827	2.1529126	1.5150638	0.949911	0.7579392	1.4208465	1.759250
Phase-1 RCT-38	0.8141939	0.9931758	0.9538496	0.9665953	0.6593506	0.7590686	2.2436502	1.4070039	2.276939	1.5520038	1.6892585	1.6098739	1.1449655
Phase-1 RCT-270	0.87606114	1.1227957	0.8908972	1.0871042	0.6331319	0.75122626	2.1867974	1.2634829	1.6172161	1.3820782	1.4018935	1,3082228	1,3317996
Tansthvetin	0.5503009	0.7018675	0.56888446	0.62228847	0.8652858	0.6974813	1.9787489		3.150734	뒶	1.9292778	2.1254022	1.9104134
Hepatic tipase	0.8213968	0.8180063	0.7073626	0.76105523	0.63873696	1.1117998	1.1511606	히	0.95259964	-	0.84813184	1.017038	1.446584
Cytochrome P450 11A1	0.7380168	0.96016127	0.91792744	0.74510723	0.67568415	1.0630951	2,680363	1.3020222	2,5461254	0.7826093	0.6833822	0.8768535	0.9069554
Phase-1 RCT-175	0.7588865	0.92875767	1.0460827	0.90779823	0.9203667	0.89880663	1.3053929	1.211528	1.3318249	1.2810253	1.3744234	1.7151471	0.9500206
Phase-1 RCT-117	1.1519722	0.7961746	1.4468807	1.3580258	0.47758108	1.1952397	1.8071829	1.6583085	1.8017474	1.9038724	1.2675313	22720842	12/12/207
Phase-1 RCT-137	0.77941424	0.8725105	0.95271796	0.8068268	0.84555334	1.1713247	2.3404415	1.1240724	2.1407337	1.6197182	2.1235428	2.3656025	1.4566958
Melanoma-associated antigen ME491	1.0736861	1.1964151	1.1801275	1.1045839	-	0.85987484	1.1064799	0.8674696	1.0839904	1.2789402	1.3931452		1.0739312
Phase-1 RCT-12	1.4526114	1.4174402	1.7869742	1.4053019	0.91860557	0.88844246	0.71409494	0.6780132	0.807696	0.6222308	0.8504101	0.5237245	0.81028545
Phase-1 RCT-152	0.6566529	0.88272715	0.7603868	0.71293914	1.4389966	1.3007702	1.6828704	2.2160928	2.3116677	2.0795898	-	_	1.2110895
14-3-3 zeta	1.0677679	1.1530576	1.2453339	1.0753685	1.2606515	1.101815	0.62333494	0.72831506	0.76650727	0.6457143	\$	-+	0.66054237
Cytochrome P450 2C23	0.5363411	0.7690223	0.8782356	0.76158834	1.0136195	0.5875925	1.7879808	0.92884946	2.186432	0.8479056	0.7906836	1,3102408	1.5328597
Voltage-dependent anion channel 2 (Vdac2)	0.89630044	1.0214832	1.0470282	0.99848247	1.1534892	1.1554133	1.0023037	0.9455403	1.0771772	1.0347421	1.2847134	1.1415977	1.1473079
	7110100	100,177,00	⊥	4 4500042	4 0450673	1 200500	4 440017E	O 78R9555B	4 0444R7B	1 1182048	0 70079017	1 1195285	0.69331545
Phase-1 RCI-154	0.9976771	1.24/1420	1	1.108001.1	1.0130073	1,00000	4 07/20/2	4 7477069	4 0426505		2 6762RAR		1 2705543
Superoxide dismutase Mn	1.0694853	1.01/6945	4	_	1,347,3537	1.24030044	4 4077717	O BZBBGB	74704865	0.9427588	٠.	0.83853805	0.75409305
c-myc	1.5797335	1.186149	4	-	0.97074014	1,0430834	0 7070001	0.010000	0 5734300	0.0705142		_	1 2289521
Phase-1 RCT-196	4 2070072	1 1326772	0.80344/8	0.73624473	2 7800057	9.0304337 9.9307868	0.7886401	0.8259432	0.74516594	0.8877055	0.7960341	0.750717	0.7790716
Cyame	1,3070073	1.1330/72	┸	4 4669037	0.00746543	0.0553057	-1-	0.49001384	0 9459045	0.9389193	٠.	0.93753064	0.83814895
Cadianum bo	00014700	0.65720005	15	1 0830653	1 303493	1 4104387		1 2048452	1,6012113	1.5470365	-	0.91026086	1.0248368
Direct OCT 205	4 7269077	1 2323409	-	1 0743102	0 96791846	0.9607557	1.3263571	0.70734376	0.9757852	1,4601974	1.2633361	1,5438241	0.92804325
Dhase-1 PCT-68	1 2007613	1 1402569	↓_	1.1311085	0.9997644	1,2364088	0.98594344	0.93283355	0.97617406	0.98278475	1.1401714	0.9926258	0.9570798
Caspase 3	1,1006147	0.6197416	o	0.6444524	1.4940335	1.7714881	0.49625796	1.1107596	0.559883	_		0.7015972	0.8554559
Alpha-tubulin	1,2098488	1.1066072	1.4211031	1.3571788	0.9951417	1.4917843	0.78892356	0.74696743	0.9547909	_	0.86411595	0.84432985	1.3671165
Ribosomal protein L13A	0.7479778	0.72154534	0.789969	0.98187894	1.578077	1.0621145	1.6782147	1.0505928	2.543329	1.4769226	1	-	1.4055458
IgE binding protein	0.9929011	1.0067452	1.0338424	1.0572431	0.9035317	1.1824845	1.2871934	1,0357251	1.7931908	1.2416072	-+-	٠,	0.90834767
Phase-1 RCT-39	0.92413974	0.82687086	1,0536855	1.0622908	1.2347424	0.9394559	0.74145013	1.0818814	0.73589194	1.165079	0.7260877	0.88248897	1.038183/
Cofflin	1.030254	1.4801254	1.261177	1.1888853	1.1988536	1.059257	1.3460637	1,2514149	1.5652521	0.75866425	1.3960899	1.2033781	4 087707
Heme oxygenase	0.9342359	0.8846934	4	0.8562071	1.004681	1.1228001	1.240/12	1,0022037	7490699	1.0505213	0 7707346	1 8640184	0 7891998
Phase-1 RCT-241	1.0652418	0.802194	4	1.0498322	1.07 1602	1.3203177	4 2016 13304	4 2504246	4 2081303	1 3898	2 142252	1 439242	1.4660871
Ribosomal protein S9	0.79122436	1.02/324	1.0233340	1.0703337	1.2014537	4 0742444	0 00700424	0.7464768	0.843076	0.02828444	0 868 1315	0 6483728	0.74861467
Phase-1 RCT-258	0.9757629	4 400434	4	1.044/125	1.0262330	0.7747495	1 050124	1 0438608		1 0910281	1 4374999	1,495635	0.8182892
Argiminosuccinate lyase	0.88662333	0.1504510	1.1039233	4 034050B	0 04237536	L	0 82027644	0 69784796	1 0573006	13260691	1 27 23 324	1.0504124	0.85508674
Mediting project anticles	1 4882228	4 603510	┸	1 758 1807	2 2437754		0.9830151	0.84411615	1.1732447	1.0608569	1.2163931	1.0536633	0.9263783
Mulually resistant protest -	2279762	1,0001	Ŀ	2 5618808	0 76450557	0 99600416	0 2708858	0 92538846	0.38656846	0.25971174	0.49339297	0.33055294	0.65498763
The man be a second of the sec	0.0240100	0 735872	4	0 7261398	0.04000	1 1332175	1 4515698	1.0113668	1.5923477	1.4246024	1.4631331	1,5367264	1.180289
Phase 1 RCT-79	1 2596406	0.850846	٠	0.89683604	0.8830122	0.9348046	0.7643848	1.2055798	0.77133745	0.680288	0.82491785	0.69764805	3.90976214
Phase-1 RCT-109	0.7022035	0.83007765	9	0.86790866	1,3828288	0.97992855	1.4946924	0.8285434	1.5731704	1.1724768	1.5357205	1.4407775	1,209529
Phase-1 RCT-76	0.8970142	0,9975489	0.8823545	0.79921514	1.3333591	0.90165953	0.5717325	0.6141197	0.8009479	0.9172152	0.6172866	0.74842376	1,2423155
Vacuole membrane protein 1	0.8510504	1.0476319	0.9771488	0.6489645	0.8828534	0.7663128	1.361905	1,272717	1.1128851	1.24766021	1.15789371	1.5845529	1.062268

									10000000	0 7505790	O BOOMORE!	0.81616161	1.0475478
mi 4 D/T 450	1 4243473	0.93760216	0.9774871	0.9774871 0.98972094	1.0167135	1.0589758		0.7080927 0.5995244	P/22090.0		1 1840575	13205221	1.0977055
Pigge-1 ACT-130	1 1157209	1 1157209 0 96395636 0.99741054 0.95461124	0.99741054	0.95461124	1.3278039	1.5772676		0.75/5804		2777	0.6807257	0 5928535	0.7693273
Phase-1 RC1-113	0 7770000	0.705706 0.0004476 0.0085884 0.7087065	0.0285884	0.7087065	0.7301481	0.6492262	1.0465344	1.1397475	0.9159402	1.09.1	2000	-	
Endogenous retroviral sequence, 5' and 5'	0.7720300	O'LLOS ON O									000000	96066007	CACA2677
LTR		1	0.0040004	1	A 0242752 4 0399488	1 1563128	0.7174167	0.48466464	0.59861666	0.7174167 0.48456464 0.59861656 0.64901035 0.9104230 0.45933030 0.01222	0.9104230	0.43333030	1,010000
Beta-actin	0.68845654	1.18/0081	47/CICEO	1	4 400440 0 09497694	0.8512572	0 7017964	0.8908603	0.7274052	0.7017984 0.8908603 0.7274052 0.8288731 0.89462884 0.78592313	0.89462894	0.79592913	C000010.
Phase-1 RCT-85	1.5055437	1.0402446	1.179857	1.100142	0.03431034	7708644	0.250844 0.44139818 0.41604863 0.47608143 0.47365347	0.41604963	0.47608143	0.47365347	0.6070323		0.4877789
MHC class antioen RT1.A1(f) alpha-chain	1.5445515	~1	1.3420428	1.4158893	1.4158893 0.68336880	4.000044	4 40700541 0 70204449 0 8891272 0 7565884	0 8891272	0.7565884	0.8421159	0.864095		0,89328593
Ray (alpha)	1,7794076		1,5375423	- 1	1.293/338	1.40,000	0.000121	0 9555411	0.68254983	0 9555411 D 68254983 0.78204834 0.73156977	0.73156977	0.4947433	0.7166372
Carbony reductase	1.2161262		1.179946	- 1	1.0649179		1 811637	0 0508465	1 5870436	1,3321087	1.674666	1.1006917	1,2246327
Reta-actin sequence 2	0.77572674	ı	1.148616	- 1	- 1	0.9303001	4 0000503	4 Accessor 0 72397643 0 81289285	0.81289285	0.704079	0.7348007	0.7348007 0.57698758	0.8385567
Interestin-10	1,5238165		- 1	ŀ	1.06/8235	1.0054500	1,000000	0 4825402 0 42072088 0 50937134	0 50937134	0.5588714	0.77698237	0.6229851	1.0661762
Phase-1 RCT-191	1.8359603		1.1807156	- 1	0.8712906 0.8123/626	0.730300	- 1	1 9561547	1 9561547 0 77817684	0.9535043	1.1032345	1.1737734	1.0590396
Dhase-1 RCT-111	0.86714387		0.9808958 0.89671075	- 1	- 1	0.8713300	- 1	ì	2 499732	1.3657008	1,425291	1.7855625	1.0977757
Anontrais-moulating basic protein	0.73978823		1.1217582 0.85331327		- 1	1.0423105 0.903/0214		1	1 571353	1 571353 0.72585744	1.1397262	1.0350176	1.6053398
Chathime peroxidase	0,7701368			_	- 1	1.04133/5 0.04/8518	A 70470853		0.7581568		0,6466097 0,88733417 0,77111316	0.77111316	0.90552515
Phase-1 RCT-239	1,8535638		1.6729554	1.5435367	ŧ	0.30 103233	0.7648112 0.3616323 0.1311903			0.8602142	1,0541885 0,83690673	0.83690673	1.2084371
Dhase-1 RCT-67	1.339027		1.1428246 1.2032106	1.1799272	0.8090634	4 4070070	4 9758230	t		1,3034889	1.5641882	1.5434601	0.7898427
Tomforban hydroxylase	0.8785093	1	0.90891457	1	0.91198325 1.13/62/0	1.13/62/0		Š	1 0766674		1.0649645	1.0649645 0.82196957	0.8871957
Suffitzansferase K2	0,9395114		_	1.0324702		0.835/8300		O 8836075	1	1.0122156	1.0824647	1.0824647 0.95009923	1.066767
Caloraculin B9	1.0541232		_1	ď		0.711/166 0.7030144			ľ	0.91487277	1.0545751	1.0026851	1.275413
Phase-1 RCT-123	1,2295187		٧,	. L		0.9031/45 0.96196140		_	1 2301881 0.84711355	0.921529	1.0695045	1.0060319	1.0891659
Phase-1 RCT-98	1.2663022		- 1	_1	1.21U9550 U.0192334 U.00224070 U.0192339 U.05969838	0.0024000	0 76324654	0 96904415	0.59969836	0.8279974		0.7681914	1,0013574
Agrianorin-3 (ADP3)	1.3499724		- 1	_1	1.1306639 U.S.2311433 U.SO/ 19291 U.15324353 D.98603577 0 17854355	0.007 13207	0.90408342	0.28603527	0 17854355	0.128945	0.35426414	0.35426414 0.23471653	1,5176382
Steam-CoA desaturase, liver	2.494389	- 1	- 1		0.13489920	0.37.37.3480	0.3/3/3430 0.33430312 0.200222	0 86300565	0.6834321	0	0.6374931	0.706395	0.706395 0.98177385
Phase-1 RCT-84	1.3346026	1.1231117	1.2208481	1.1299412	0.7512350	0.9110013	0000						
													_
(1) Gene expression data for 24 hour													_
timepoint are presented as mean ratio of													
treatment/control for all 24 hour predictive													
genes (Table 5).							L						_
(2) Compound and dose abbreviations as in													
(a) (-4: 44:c) enimal member													
(3) Individual elatina familia for													
(4) Liver imamination cassing and the common of the common of does own at 72 hr ves-next.													
Compound account necrosis with													
inflammation observed; no, no histopathology													
observed													
(5) Predictive gene (as in Table 5 and as													
included in Table 201													

Table 29. Expression Data for 24 Hour Trinepoint (1)													
			П	╗	Т	T	T		T	000 1400	SEN 38	CEN 38	SEN 38
	-						GAN 50	SAN ZUU	2455	2456	204	ž	226
Animal Number (3)	1435	1436	134	8	130	2444		-	9	2		01	2
Liver Toxicity Inflammation Classification (4)	8	2	= E	2								1	
Gene Name (5)									10000000	200000	4 0040697	0 81085178	0 81988574
Garrina actin, cytoplasmic	1.2651716	1,0286912	0.9200018	0.9307378	0.9078299	1.0579581	1.0266209	4 04 26 04 2	0.65822054	0.000000	0.9663431	_	0.96143055
Phase-1 RCT-145	0.71976036	0.6864749	1.0178725	1.1509957		1.102568	1.0139/05	0.0080785	4 2027047	1 3163323	0.9551437	_	0.9115948
Gadd45		0.8774846	1.6427606		7000000	0.92041173	0.00608874	1 0188674	0.8192461	0.93402636	1.0347172	1.055189	1,2747268
Phase-1 RCT-78	0395666	1.0391445	0.9164214	4 44 70 25	4 4854274		0 962145B	0.9836058	0.8986581	1,0111462	L.	1.1215537	1,0569416
Fas antigen	5964714	0.60396975	1.0454319	1.11/020	_	1 005572	1 5816623	0.99999994	1.1279119	L	0.9224855	1.2062088	1,3168913
Macrophage inflammatory protein-2 alpha	0.475/3/36	76/3/36 U.600/741	1.5143330	1 4008353	1 2393625	1.086583	0.9676085	1.0407782	1.0615511	L	0.9812404	1.0944642	1,2185554
Integrin betar	0.760310	0.76640343	1 4060501	1 2135482	1 0903504	0.9384322	0.9862666	1.0294182	0.91360444	0.9230917	0.9230917 0.98904485	1.0235428	0.9624717
Phase-1 RCI-20/	4 4385655	1 4017342	1 2012503	-	_	0.83724215	1.0494872	1.0257536	1.1179848	Ц		0.7658424	0.6211041
Asparlate difficultation and a second difference and a second difficultation and a second difficultation and a second difficultation and a second difficultation and a second difficultation and a second difficultation and a second difference and a second difficultation and a second difficultation and a second difficultation and a second difficultation and a second difficultation and a second difficultation and a second difference and a second difficultation and a second difficultation and a second difficultation and a second difficultation and a second difficultation and a second difficultation and a second diff	0 93280375	0.9901671	1,1233156	1.3128774	_	1.1519563	1.0610874	1.0171949	1.0137143	_	0.9424423		1,0631837
Main comme	6161837	0.38559222	1.062861	0.9151846	0.0963444	1.0996536	0.5242795	0.68195164	0.9462249	_		_	0.00203804
Dhocal PCT.30	9980868	0.7648002	0.4385994	0.28650436	0.3131482	1.0845932	1.0134419	0.94783744	0.9744936	٥		771571190	4 464 6947
Userdands creed forfor recently	0.62793964	0 77927935	1.4274297	1.4958138	1,3487666	1.0327896	1.0330068	1.0003347	1.1512043	_	-1	1.1404909	1.1090047
MAD binger blosse	1 0872375	1.0078514	1.2043198	1,2869639	1,3002908	0.82210356	0.8605584	0.8396576	0.93632686	0.91850953	_	0.53333284	1,500001
Sodiumfolioose cofransporter 1	1,5591073	1.4771343	0.9520389	0.62724584	0.4969261	1.1471767	1.1166545	1,20298	1.484893	\perp	_1_	1,3065118	1.2420//4
Dhase, 1 RCT-27	0.6215316	1,6167016	1.6167016 0.90673834	L_i	0,71845245	1,3088288	0.6330937	0.77874585		┙	1.0289854	1.627104	1.88228
Phase-1 RCT-50	0.57252276	0.7050141	1.0873821	1.1265911	1.0690888	1.0167006	0.98068976	0.99195516	_	0.9564817	4 4977630		1 0831294
Phase-1 RCT-192	1,3761735	1.5242581			1.0194354	1.1065124	0.9881312	1.0662331		L	J.		1 4345571
Phase-1 RCT-288	1,3261905	1.5674889	٦,		0.79542166 0.92475617	0.92475617	1,216582	1.1668884	1.4510515	L	10	0.8664403	0.86222136
Phase-1 RCT-37	0.9023704	0.99816376	0.9250751		0.8964241	1,2269347	1.1489619	1.124077R		L			0.8896883
Organic cation transporter 3	0.6105713	0.5946059	1.0120239	1,003652	1.03/110	1 4700705	1 4022598	1.4838413	Ľ		+	_	0.87224007
60S ribosomal protein L6	0.9645/64	0.64102674	0 E4102674 0 00353844	ı٠	0.972632	0.9844617	1.0190402	0.98740757		Ц	Ц		1.0622607
Zinc Imger provein	1 070562	0.9519377	0.88747615	0.9897168	0	0.9502886	0.9298127	0.89958984	Ц	_	4	<u> </u>	1.0074198
D-1	0,67536354	0.673134	1.2021545	L	1,2706339	0.84445417	0.923841	_1	┙	4	_	1,1810847	0.08046774
Phase-1 RCT-92	1,5818233	1,3493189	0.7053197	Ш	0.7300615 0.58827865	1.1623333	0.9736474	1	4	1	1,0850647		1 0684104
Phase-1 RCT-115	0.64749014	0	1.0325966		_1	0.9334973	0.9518489		1	4 264264	4-	0.7521348	0 75719583
Matrin F/G	0.95486534	۳І	0.88356656			1.0169727	1.0471661	1.0407794	1,054/3/4	٥	1_		1.0372632
Mutt homologue (MLH1)	0.7853642	0.673068	1.1515945	4		4 02072004 0.61442016 0.97627684	4 4440505	L	L	ŀ	_	1	0.98452806
Phase-1 RCT-79	0.984626	1.00/8204	1.0083/1/	4	1.046420/ 1.020/239 0 7228533 0 90946718	1	0.8192671	0.9254038	L	L	ш	0.847204	0.86299086
Sorbitol dehydrogenase	0.010/4/1	0.39830300		Ļ	1.1888716	1-	0.6464427	0.80989254	0.84036726	Ц	_	0.9035978	0.75659764
Colorandin B1	1.1850663	1.201312	_	1_	\sim	1.0389458	1.0395914	0.9976651		┙	_	_	0.9830639
Floroation factor-1 alpha	1.3828574	1,561409	1.561409 0.85856134	0.6673198	0		1.030179	┙	1	1.16392/1	1.2484//	0.0039330	0.6478616
L-gulono-gamma-lactone oxidase	1.7075694	1.367901	0.5514012		_		0.6966296	1.1502397	4 4400335	l	┸.		0.7416762
Phase-1 RCT-33	1.2500211	1,2098606	õ	٧.	_	1.7505503	1.7565603 1.1223409 0.0000000 0.85478975	Ľ	L	L	1_	L	1,1265223
o-lun	0.54505855	0.5898693			736/3679 0	4 1763881	1 0908779	L	Ľ	٢	0.98042256	0.71702695	0.69750845
Phase-1 RCT-233	1.2612715	_	1.195481 0.81825533	0.0230134		1 1024232	١.,	L	1_	3 0.9945375	5 0.91381776	ш	0.7820277
Phase-1 RCT-36	0.8156350		1 176850			0.91022277	ᅸ	L	_		1.102919 0.89444774		0.9852824
Phase-1 KCI-242	4 9084567	_	Ľ	_	Ľ	1,2502651	1,041412		1.1977609	Ц			0.8911095
Dheen 1 PCT-185	1.1392018	Ľ	1	_	0.5549018	Ш	1.2550198	Ц	1	4		0.83755267	4 4004388
Phase-1 RCT-179	1.0424376	<u>L</u> .	0.83107287	0.8527131	0.8471132			4	4	1	+	4	0 885382
Phase-1 RCT-144	0.97902364	1.0122873	Ц			0.8925341	0.91010608	4	1	0.0330030	1	1 0274842 0 F2322915	0.6108021
IkB-a	1,5759537	1.237178		_	4	0.89156497	_	اد	0.0723710	1	L	0.52299696	0.88761395
Phase-1 RCT-225	-	_			4	_	4	4 3284054		L	L	0,77904946	0.8136499
60S ribosomal protein L6 (alternate clone 1)	0.9289376	1.1132572	0.79489744	0.67947423	0.786/172		1.1600417				- 1		2400055
Beta-tubuln, class (0.7650879		0.61294305 0.92996866		ш	12590909			1	1.0336927	1.1051316	1 2207487	1 201842
Multidrug resistant protein-2	0.86065036	1.0269519	1,3461186	3 1.5954124		1.5065068 0.91273177	0.97933114	1.0613372	1.114107	╛	1	1	
		ĺ											

	0.0000000	120000	4 0407040	4 0400000	1 14702011	4 Annanga	0.0887035	1 0544262	0 0888883	1 0253555	0.8995045	1 0603086	0.99146307
2	0.786824	0.0213482	1 0788559	1 222R23	1 1577325	0 9597511	0.9625435	0.9471139	0.9526224	0.94897646		0.92884797	0.84012157
NAME Assessment to the debugger	DI _	1 5478432	0.0358833	0 8027017	0 7035437	1 242:3005	1 1574476	1.0711395	1.2732242	1.2625465		1,061	1.11424
NALAT-SEPTIMENT ISOCHIAGE GENYANGENESSE, CAOSOLIC	2007		2000000										
Octamer binding protein 1	0.73917925	0.7027759	1.1804876	1.0504472	1.0613949	_	0.99960244	0.88956565	0.99214566	0.91179276	0.9731566	0.7803047	0.961349
Sodium/bile acid cotransporter	1.389821	1.2975508	0.5372668	0.5477486	0.5622697	+	0.9110429	0.9646363	0.90787077	0.7180137	1.0354079		0.9230885
Phase-1 RCT-174	1.3128368	1.0149492	0.7774332	0.6813551	0.7361806		0.75747555	0.94057924	0.8553428	0.86652863	0.9548583		0.92//9154
Phase-1 RCT-77	1.2381338		0.64572614 0.53502417	0,53502417	0.643298		0.82741004	0.8934679	0.902356	0.87990177	1.294417	1 10 10 10 10	4 2028552
Inositol polyphosphate multiklnase (lpmk)4	1.7808599	2.1670918	_	_	0.4952682	1.4455702	1.1750609	TAN 9907 O	0.8395012	1 0228184	1.0343007		0 7439596
Phase-1 RCT-256	1.1674851	1.1853721		_	_	1.2/8/114	0.8220197	0.7904047	0.310/02	7400000	100001	4 0775949	4 4745876
Equilibrative narobenzylthiomosine-sensitive	1.1273277	1.1259779	0.89388746	0.9219638	0.63318566	0.73128164	1.0650.1	0.8502832	0.1420428	0.14886823	0008700.	2	
COK402	1 1972675	1.3560663	1.0155708	0.95878416	0.8793698	12498389	1.0564898	1.1475538	1.2003838	1.085087	1.1426353	0.9537846	1.0277531
Phase-1 RCT-209	1.056315	-	٠	0.928357	0.8599686	-	1.0796821	1.0533714	1.1501275	₩	_	1.1174183	1.1838595
NADH-cytochrome b5 reductase	1.2054217	_	0.95716935	0.821595	0.7487288	1.312785	0.91811776	0.8531401	1.0299705	1.1069685	1.006114	0.64619285	0.5830271
Dynamin-1 (D100)	1.2956442	-	1.052875	0.9121175	0.8014669	0.9414439	0.9981578	1.0574175	1.0129246	_	0.92694765	0.925337	1.040784
Senescence marker protein-30	1.8732315	2.0919435	0.8742879	0.7380418	0.755304		0.78828025	1.2741297	1.0138576	1.2730807	1.6797433	1.3482227	1.1890283
Phase-1 RCT-69	1.3531849	1.2975395		0.84489006	0.86187506	_	0.99345213	0.93200576	1.0744749	0.93753374		1.099622	1.1102651
Camitine palmitoyl-CoA transferase	0.493325	익	1.3445903	1.6297674	_	0.8893293	0.9702359	0.8352633	0.882225	0.9517/615	_12	4 500040	4 4762005
Apha-2-microglobulin	1.7701721	- 1	_	0.48049827	-+-	0.30395958	2.5864015	1.6204983	0.41359606	0.5630536	4 0402084	0 78032035	0 8002343
Apolipoprotein Citi	1.1663746	1.4715865		1.106996	0.8830666	1.0024836	1.0082632	1.1322832	0.8341630	4 0004220	٠.	4 4572617	4 2043697
Cathepsin L, sequence 2	1,1856833	1.4139824	_	0.88958645	1.1408554	1.286843	1.3854116	1.5/0/234	1.432/233	1.3391220	1.4530/40	4 45228A	1 0005223
Phase-1 RCT-141	1.0931046	1.0765735	-	1.6164218	2.0392777	1.0564439	0.9509049	0.0100153	0 0227444	0 84634565	1 2427282	0 970945	1 0218576
Phase-1 RCT-289	1.2208328	1.4253144	0.9420042	7177777	4 2484725	0.5004000	0.000000	0.078557	1 3295671	-	0.93779546	1.217109	1275365
Endothelin-1	0.65/65/	0.575505	1.413/940	1.0/4241/	4 42406	-	0.05507386	0 005888	1 0400143		0.9114033	-	0.93207943
Phase-1 RCI-282	4 263340	1 3036/38	1.0632233	1 1416105	1 135984		1 0426271	1.0626845	1.0337983	1.0688835	0.9742302	_	0.88497096
Calla Di	4 5300509	4 4930287	1 290452	1 4366025	1 1268846	-	0.90520656	0.90931773	0.8915149		0.90380555	1,2301764	0.82495064
Phase-1 RCT-287	1.298506	1.2078395	0.94755924	l m	0.94351584	-	1,3037921	1.3058676	1,2260664	1.1549026	1.2041982	1.0605444	1.1016078
Phase-1 RCT-281	0.95353216	1.0109147	0.87664753	0.89633137	1.0575383	0.8704467	0.82619476	0.77741444	0.78511095	0.75552744	-	0.95440084	3.82381004
Retinol-blinding protein (RBP)		2.0170832	0.81706554	0.6559244	0.6828971	1.3389442	1.3350712	1.5971354	1.2665182	1,2638384	1.4503713	0.856555	0.9654011
ATP-stimulated glucocorticoid-receptor	1.3703811	1.1299026	0.9534924	0.8906482	1,0008141	0.7781165	0.8589483	1.2103577	0.955687	1.0440857	1.3739078	1.1812961	1.3007833
translocation promoter (GyK)	4 0711100	4 4004600	4 0074904	4 4500004	4 4080038	1 0820053	1 0470113	1 0097104	0 9523712	0.98903405	0.949691	0.98700505	0.82173485
Phase-1 RCT-60		1.4034503	1.097.1307	1.1502021	1.1809030	0.0081188	0.00101	O RRARSA7	0 R522423	-	+	-	0.8429113
Pyruvate kinase, muscle	0.77053964	1.04751	1 0705303	1 0636709	₹ =	0 83543077	0.9772195	0.94379103	0.8984325	_	0.92770153	0.9102975	0.8165684
Nychoside dichosobate kinase beta isoform	1.4120921	1.1464012	1.0329797	1.2023184		1.1134032	1.0292487	1.0950992	1,5023603	_	1.1019003	0.8357461	0.7585334
Gadd153	0.839857	0.8773079	1.34298	1,5339345		0.74601597	0.8571322	0.8000311	0.8743864		0.9469438	1.0192113	1.1461435
insulin-like growth factor binding protein 1		0.9889363	1.200868	1.1977156	-	0.91915965	0.78057	0.9198617	0.92379045	_	4 204 200 5	1.0023333	1.1707100
c-H-ras	0.79964024	긔	1.1218467	1.344779	1.126374	0.7976978	1,3341768	1.12/6052	1.1250/84	1.1869/49	1 302067	1 1828593	1 375386
N-hydroxy-2-acetylaminofluorene suffyransferase (ST1C1)	1.350799	1.2607394	0.8895048	0.85327613	0.7689211	0.7556214	4.30405.1	RI ORGOZ'I	4.7003074	0.747.419	inormo.		
Phase-1 RCT-52	1,2440598	12773	0.97670954	0.8752521	0.844945	1.232956	1.0072919	0.86254424	0.8647656	1,2682145	1.0209745		0.81058097
Apha 1 - inhibitor III	1.4962704	1.1434889	0.8339713	$\overline{}$	0.43941742	1.0590283	1.034861	1.1419841	0.80854726	0.84084535	1.0951537		0.83453345
Sterol carrier protein 2	0.98603388	1.1917185	0.82480564	0.8257532	0.6904239	0.983834	1.1124474	0.99073666	1.353027	1.1559923	1.4558347	4 4944956	1 2006274
Organic anion transporter 3	0.7497862	0.78840345	1.0547528	1.5776743	1.0282512	1.1180246	0.94928193	0.9730621	0.94899267	0.9470705	1.0033443	_	1,20003.1
Calgranulin B4	1.057008	4			0.6535299	1.1372943	1.0195418	0.852805	0.93304944	1.01/4085	1,0150107	1.00300Z	0.9579595
Phase-1 RCT-182	1.499539	4	0.86500937		0.92152095	1.0144898	1.1266818	1.1011302	1,1339/32	-	-	0.6621312	0.8554995
Calgranulin B8	1.045202	_	ᆚ	0.8133249	0.88694555	1.3883132	1.1405052	1.13/0094	1 1 26 20 74	1 1957495	1 1792107	0.7770435	0.786681
Adenyde denydrogenase, microsoma	1.3041300	COC44/7-1	0 070599	0 8447476	0.37374386	1 1931058	1 2814536	1.3669001	1.138258	1.0752748	1.287445	0.9570573	1.0700732
Disco 4 DCT 400	4 0533047	1 0430022	1			0.96996593	0 5255153	0.8580277	0.77800083	0,7410366	1.0218659	1.1041666	0.63042583
Drawathmin comence 2	1 5322143	1 6020738	0.9238532	0.5910414		1,3216339	1,0283058	1.2474103	0.7276791	0.97984093	1.5065744	0.9841279	1,2042285
Apolipopratein All	0.94656354	0.8091687	0.6786759		0.38341254	-	0.86225265	0.8741455	1.0101284	1.114882	22164376	1.155611	1,2208213
Phase-1 RCT-10	1.1802479	1.5389036	0.8936972	0.7925278	0.83368134	1,1565198	1.2284808	1.2812696	1,2405734	1.1155843	1.5403695	1.1963961	1.172179
Phase-1 RCT-48	1.0438998	1.3652995	1.1491603	0.9107115	0.9299785	0.92715585	0.9909442	1.1088219	0.9067153	0.8599532		1.1745371	0.96225363
Phase-1 RCT-8	1.5588588	1.600781	0.9364169	0.5966564	0.69636744	1.41631621	1.135126	1.34898521	0,8357375	1.1144258	1,5918958	0.88234904	1.221001

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Phase-1 RCT-168	1.4189221	1.3293436	. 1	0.9067386	1.1216338	1.1330884	1.0570587	1.0595481	0.98360044	0.9966976	0.92285603	0.8218/33	0.89783343
Phase-1 RCT-88	1.5352123	1.3457224	35023	0.89323616	0.73248273	1.0434328	4 2922924	1.10451	1,0042401	1 8348153	1 5656568	1 865179	1 1905334
Beta-alarine synthase	1.5802604	1.5750213	109/518.0	_	0.8277/38	1.3402027	1.632632	100000	4 4477900	4 484387	4 9798594	4 0849405	0 702425
Phase-1 RCT-296	1.1360538	12712151	1.6672184	_	0.72649443	1.863238	0.8543105	1.0440554	1.44/2000	0 70400072	4 67243	1 2277447	1 2042418
Carbonic anhydrase III	2.2234397	1.1788235	0.6728324	_	0.24289569	0.3889413	C70001.	1,3210308	4.0054074	4 0045500	4 0864466	0702010	0 7372149
Phase-1 RCT-291	1.0959567	1.169288			0.8500833	1.1910833	1.0408112	1.0505041	1 1000001	1 0862857	1 74 RADRS	0 6789084	1 0852671
se III, sequence 2	5505079	1,3405902	ΞL.	٠.	0.20042400	1.301/108	1 0620008	1 0118000	0 9460094	12	+	0 54119515	0.6070189
1	CZCD#07	0.01680333	0.9054997	0.64754534	0.7073301	+	0 89202846	1 1867152	0 8437712	+	_	0.7005712	0,6693316
HMG-COA Symnase, mitochorunal	1.2191141	4 481028R			1 0318937		1 3583872	1.1041511	0.95038253	0.8520409	1,3046457	0.9279706	1.0938208
Phase 1 RCT-40	1 2239301	1 1034546		-	0.79136455	0.8231138	1.1422208	1.3273443	1.0629424	1,1622511	1.6212785	1.125579	1.1318979
Udnay protein 2 precursor	1,5330365	1.5114492	_		0.5949401	0.8332637	1,254381	1.0858027	1.0897853	0.859296	_	1,2636069	1,329916
Paraxonase 1	1.450182	1,7102482	┺	0.63059974	0.65256696	1.0119269	1.0515544	1.0128017	0.9985652	0.9427155	1,2285178	0.85212394	1.0198944
I was fatty acid hinding protein	1.5095946	1.7093444	Ľ	0,68937445	0.635787	_	0.81214744	1.0035266	1.1018152	1.2908162	$\overline{}$	1.6880068	1.0784471
Presentio-1	1,8529058	1.1621815	-	0.55630314	0.43437248	1.1635303	1.1584792	1.2575405	0.87192947	0.97127765	1.1415825	0.62070968	0.8420814
Phase-1 RCT-38	1.3405435	1.235193	-		0.7196273	1.2330629	0.87303233	0.8456874	0.9906432	1.1965963	-	0.75802426	0.7487763
Dhase-1 RCT-270	1 4330322	1.6158919	-	1.00365	1.0005586	1.0828471	1.3685873	1.4785362	1.2528906	1.2349112	1.1232624	0.934988	1.1213268
Transthyretin	1.3264352	1.6158692		0.67402405 0.44856006	0.4162147	1.0997636	0.89906794	1.0848751	0.7772953	0.84487873	1.5377084	1.0839955	1.2138711
Henatic linase	12149947	1.2364718	0.79572666	0.7671849	0.53732	1,1703931	0.59055068	0.66957176	0.66383328			0.6303916	0.56009408
Cytochrome P450 11A1	0.77619904	0.7022573	_	0.9833385	0.99795985	1.0157073	0.93668383	0.98337704	1.0011629	-	0.99405056	0.90395707	1.1042892
Phase-1 RCT-175	1 0978906	1.2400107	0.89360595	0.81897855	0.77009785	1.1808162	1.1776234	1.3162769	1.4969492	1.168396	1,4097599	1.1240064	1.0947565
Dhace-1 BCT-117	1 1984391	1 2757537	-		0.85036355	1.0330738	1.0984658	1.1961775	1.216433	1.3383827	0.98564684	1.5715942	1.1822119
Phase-1 RCT-137	1.5378993	1.7540562	-		0.552071	1.2764891	1.0954912	0.8878304	0.9442198	0.91335394	1,4234064	1.1025071	0.99497867
Melanoma-associated antioen ME491	1.0499053	1.105317	╄	1.2323722	1.1641998	0.89281	1.1140764	1.2352614	0.87242013	0,83993906	0.9570356	1.0776676	0.9592353
Phase-1 RCT-12	0.7788463	0.77183056	-	1.0833209	1.0719265	0.905771	0.8567398	0.9113789	0.8819015	0.8992224	0.92847085	0.9134523	0.739342
Phase-1 RCT-152	1.32434	1,3338519	0.93339294	0.93704885	0.93961304	0.988084	1.0349246	1.0153865	1.2406565	1.0663783	1.0407035	0.93619627	0.95219135
14-3-3 zeta	0.60366386	0.60836226			1.1589068	0.979403	0.9817888	1.086767	0.9546699	0.97621095	1,2061018	1.2623328	1.1191938
Cytodymme P450 2C23	0.9776977	1.951858	0.9154268	0.7683751	0.70093876	1.0345389	1.0260115	0.90023947	1.2461257	0.94792277	1,5247355	1.1523505	1.1291971
Voltage-dependent anion channel 2 (Vdac2)	1.120851	1.188442	⊢	0.9391525	0.86066973	1.3871534	1.1189808	1,1931505	1.1257223	1.1046046	1.2459085	1.0658313	1.0706142
			4	0.000	0.0000	4,000,000	0002000	0 0700275	1 11 20000	1 0012505	0.0074479	1 0592324	1 1842642
Phase-1 RCT-154	0.7409971	0.53/8006	1.1342084	1.2516836	1,07,0039	1.1000327	0 0566040	4 0175234	1 0068761	0 9910877	1 0768795	1 0324523	1 2556896
oxide dismutase Mn	1.4292388	1.3460/2/	1.3063849	┸	1.3302703	2 5	0.8300343	0.0502064	1 0782863	1 0097561	1 0161318	0.8656544	0.93614626
	0.53154314	0.555308/	1.3864487	1.0/4416/	0.6430653	_	4 3303056	1 0831472	0.96276546	0.80424595	1,108084	1.0321137	0.9895853
Phase-1 RCI-186	1.2115219	1.16/1/29/	4 9745740	4 6233068	4 2835743	+-	0 99474055	0 9805602	0 97021997	0.9889929	0.90670663	1.133725	1,2393553
Cydn G	0./922302 n 77510138	0.00002710	┸	1 2783688	1 207424	┪╼	0.8999407	1.0158995	1,0180873	0.9918952	0.9175477	1.018404	0.9343314
Cagrantin Do	4 0364072	0 77774125	1 252152B	1 2612504	0.9461566	0.9716878	1,0376903	0.956326	0.94595987	0.97006994	0.9504055	1.0615584	0.8702718
Dhass 1 BCT 305	0.07782713		┸	┺	1.1805941	1.0316281	1,0532663	1,0355963	1.0139332	0.93474525	0.9123045	0.9710983	0.9269777
Phase-1 RCT-68	00495	_	0.9201565	0.8898639	0.9390233	0.96555513	1.1000869	1.0038714	1.0417237	1.0134537	0.96987313	12212994	1,2813135
Caspase 3	0.58018494	0.58595385	١	1.3587667	1.1977643	0.7789866	0.99056304	0.9395318	0.9716406	1.0205729	1.0217234	1.0500149	1.1950043
Aloha-tubulin	1.1568819		L	1.1708527	1.01673	0.9682912	0.69045	0.8010097	0.79625624	0.803584	0.9867037	0.8060367	0.6430847
Ribosomal protein L13A	1.5514863	1.3720982	0.974562	1.1429586	1.105641		0.89641565	1.2243375	1.3325597	1.2555847	1.4471568	1.1706531	1.0532341
IgE binding protein	0.92092806			0.83905524	0.89779806	1.0465435	1.1453815	1.1530309	1.1/03004	1,142045	0.611636	1.1022323	1 0781833
Phase-1 RCT-39	0.96320045	0.96190614	<u> </u>		1.182569	0.8658/94	0.95898235	1.0233246	4 01877908	4 0706642	4 1007886	4 012414B	1 1405263
Cofflin	1.1509507	1.1028041	4.	-1	0.7412332	1.1052205	4 4 4 8 0 6 7 4 8	1 0065084	1 1R25075	1 1775445	0 9275899	1 0702342	1.2634375
Heme oxygenase	0.7707242	0.9808832	1,0463010	4 4999007	4 20000460	4 0785078	1 1202498	0 9629464	1 0860603	1.0486856	0.9333586	0.89744276	0.7500152
Phase-1 RCI-241	4 5259459	4 2/RESEA	1	Т.	0.8816395	0.89752173	0.9496523	0.8582842	1.1073796	1.137837	1,5202748	1.0538338	0.8965895
Phoso 1 DCT 248	0.7130126	Ľ	1_	4	1.1487519	1.0524114	1.0686125	1.077604	1.053211	1.0165292	1.0093024	0.88537544	0.84212554
Ambigoenericate base	0 87888078	1 5481082	L	0.5735566	0.53145474	1.384146	1,3484147	1,2397845	1.7201061	1.1644546	1.1223149	1.1515768	1.2649676
Phase-1 RCT-180	0.79551965	0.7782789	0.9105614	_		1.4803859	1.0721633	0.8750628	0.95887315	1.128116	1.0210711	0.6544366	0.75556755
Multidary resistant protein-1	0.645967	1.0715888	1 2914727	1.4659567	1.3232402	1.0387156	1.0215632	0.9612642	1.0127537	1.0274177	0.9631196	1.1456487	1.1847847
Omithine decarboxylase	0.7772626	0.6756911	1.1004072	1.1450986	1.0788374	1.1985838	1.2558339	1.0506904	0.9498547	1.0682747	0.98904485	0.94539136	1.0401229
Thymosin beta-10	1.4917367	1,2076551	0.84411734	0.87991077	0.8007828	1,0226859	0.9214841	1.0081626	1.0814888	1.0255475	1.5219233	0.9581566	0.9514191
Phase-1 RCT-72	0.7989049	0.94950324	1.0411463	1.1040659	1.0457451	1.0213201	1.0128923	0.9477841	4 9262657	1.0046016	1.0126/12	0.99933106	0.8351791
Phase-1 RCT-109	1.337058	1.2669846	3 0.83821076	0.9537827	0.949526	1.1794771	1.07/3382	1.2561204	7,655,575	0.2102200	4 2092658	0 78571755	0.83213456
Phase-1 RCT-76	1.107145	1.0248134	0./462845	0.06767378	1.2114402	0.7264970	4 4906288	1 1012614	0.00112049	0.65229053	1 239048	1.0618715	0.9951622
Vacuole membrane protein 1	7.803445	1.0023314	0,907,010	U.O.T.D.LO.T.C.	0.1 141 242	0.1010101	. 1000	1,10 (1)	-				

									, 2000	100001	0.0000004	4 0406804	O DESTROOM
Phase-1 RCT-158	1.0434004	0434004 0.97352433	0.9289761	1.0485468	1.1875916	1.0194917	0.989426	0.93544525	1.3861//4	1,2050212	0.9230701	0.000000	0 8107878
Dhase-1 PCT-113	1.0829448	1.0110084	0.8298866	0.96244276	1.2233822 0.89316434	0.89316434	0.9957277	1.0389293	0.929/939		0.3003431	0.000000	4 0440070
Endogenous retroviral sequence, 5' and 3'	0.8758684	0.8849374	0.7412378	0.73811924	0.72655797	0.7412376 0.73811924 0.72655797 0.72291803 0.78644437	0.78644437	1.307152	0.7023762	0.804053/	*1.50055.T	0.0003277	
LTR		, , , , , , , , ,	000000	4 0064049	4 450274E	1 081891 0 92146428	92146428	0.907762	0.71930647	0.78302286	1,2780128 0,81171864	0.81171864	0.6514357
Beta-actin	0.51587474	0.50565134	1.0311500	1.0034613 1.1302743		000001	0 0805102	1 0602015	1.0635049	1.1311435	1,0710588 0.98637253	0.98637253	0.9358417
Phase-1 RCT-65	0.90322584	1.1192377	1.1192377 0.98864174	0.8036032		0.0000072 0.00868684	1000 GBGBGG	1 0059087	0 9374352		0.9662487	1.0158764	1.002402
MHC dass I antigen RT1.A1(f) alpha-chain	0.41233346	0.41233346 0.48589122	0.8596252	1.1083243	1.32133/4	4 2207782 0 74074486 0 82500003	0 8250083	0 7300965	0.75538665		0.9297409	0.9297409 0.99023956	0.9984193
Bax (alpha)	0.8251528	0.8541078	1.1/23841	1.3916003		1 1483575 0 92050856	92050856	0.7950811	0.906508	0.8447568	0.8939434	1.0295571	1.0184896
Carbonyl reductase	0.8377288	0.466/849		1.40240	770000077	1 1010233	1 1045319	1 0167222	0.9129193	0.97675323	1.0932562	0.870807	0.78307146
Beta-actin, sequence 2	1.1044931	0.9609597	0.92290037	1,000000	4 5534754		O 702RAA7	O 7R264RSR	0 8313957	0.8140281	0.9641291	0.89440995	0.9803797
Interleukin-10	0.60293245	0.5318666	1,2370553	1.3390357	1.3331221	4 0070407 0 0413286	0 9413786	0.87294318	0.820135	0.891997	0.9401304	0.9251101	0.8495165
Phase-1 RCT-191	1,2965268	1.3249489	1.079226	1,000 122	1.10/04/0	4 4404749 0 07070548 0 80517784	0 80517784	0.8689974	0 71387815	0.70880204	0.9830867	0.7374187	0.68094295
Phase-1 RCT-111	1.0849094	0.9738063	-1	0.77520350	1.1134713	4470005	4 0016266	1 0866348	1 0984899	1 0427808	1,2384206	1.0855018	1.3541455
Apoptosis-regulating basic protein	1.372824	-1	0.9789923	0.9/8953 0.91981 0.01090 0.00000	0.00000	1.4433030	903000	0 7098082	1 147054	0.9975797	1.274578	0.8716879 0.92326224	0.92326224
Glutathione peroxidase	1.470799			0.52807504	0.3092033	1,277,0939	0.0022200	4 01074	0 9126832	0 937862	0.937862 0.93589866	0.7754941	0.7583675
Phase-1 RCT-239	1.1248585	- 1	-1	0.680701 0.70678616 0.85833144 0.82610084	0.85833144	4.0010100	0.0091302	0 07416835	0 97319794	0.99899054	0.9393056	1.0688199	0.99100894
Phase-1 RCT-67	1.1968185	1.3200202	1,0392403	- 1	1.100304		4 0047753	0 86604697	1 072822	1 0003046	1.1639221	0.80370045	0.9673067
Tryptophan hydroxylase	0.77221864	0.84274846	ҵ	0.8631107	•	4 0040544	4 2200312	1 3480686	1 1651949	0.89547414	1.1124402	1.0718336	1.4249092
Suffotransferase K2	0.66084415	- 1		٦,			4 0424044	0 8746767	4 0820426	0 9417507	0.9522582	0.77876765	0.7434099
Calgrandin B9	0.89684486	- 1	_	٦	- 1	1.0000000	10000	10053614	0 94669717	0.9805035	0.9327767	1.0334674	1,0089153
Phase-1 RCT-123	1.2478033	- 1	_1	1.301403	١	4 4000000	0.1504110	4 02554BB	0.01656825	0.894195	0.9266801	0.8412846	0.8301562
Phase-1 RCT-98	1,1043575	1.2369179	- 1	~	1.0324107	1.1923/28	4 6064890	4 038088	0 9393608	0 9609844		1	1,0661333
Aquaportn-3 (AQP3)	0.96319246	96319246 1.1308475	- 1	1.0200766	L	1.0014403	1.0014465 1.5004605	15	0.050478525	0.048683915	0.28070574	0.30710745	0.06908642
Stearyl-CoA desaturase, liver	1.3838329	~		0.26394305	0.26394305 0.1929/509	1.0441304	0.12040637	0.0347 19282 A 7906588	0 T324428	0 8248445	0.9230288	0.690632	0.7908823
Phase-1 RCT-64	0.9440496	1.0353768	0.92682296	0.8850498	0.802448	1.081//4/	1,081//4/ 0.52114635	0.7000000	0.1	1			
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of													
treatment/control for all 24 hour predictive													
genes (Table 5).													
(2) Compound and dose appreviations as in													
(2) Individual primal number													
(4) Liver inflammation classification for													
compound-dose group at 72 h: yes-necr,									-				_
negrosis abserved; yes-both, necrosis with	-												
inflammation observed; no, no histopathology	2	•											
pavasqo													
(5) Predictive gene (as in Table 5 and as included in Table 26)													

Comparing Chairs Comparing C	Table 29. Expression Data for 24 Hour Timepoint (1)						+						1	T
CHAN TO CHAN				1	T	1	1	Т	Т	OS NOS	T	T		ON 200
1,200.000 1,00	Compound-Dose (2)	GEN 150	GEN 150	Š	Š	7	3	3	12	48	945	946	ত্ত	1956
1,2070258 0,0000000000000000000000000000000000	Animal Number (3) Liver Toxicity Inflammation Classification (4)			2						8	92			
Control	Gone Name (5)							-	00,000	4 00 40700	703077000		0.7545918	0.9091384
Control	Gamma-actin, cytoplasmic	1,2702836	Ш	0.93635577	0.78687406	0.9302737	0.79593897	_	4 2430365	0.0842705	0.89123917		1.0150611	0.9350288
1,1000001 1,200001 1,200001 1,200001 1,200001 1,000001 1,000001 1,000001 1,10000001 1,1000001 1,1000001 1,1000001 1,1000001 1,1000001 1,1000001 1,1000001 1,1000001 1,1000001 1,1000001 1,1000001 1,1000001 1,1000001 1,1000001 1,1000001 1,1000001 1,1000001 1,10000001 1,10000001 1,10000001 1,10000	Phase-1 RCT-145	0.74720395	_		0.9063122	1.0724439 4 0562928	_	0.96342486	0.89125230		0.95749927	1.1608081	1.1868123	1.0275252
Control Cont	Gadd45	1.0389977			1 0661025	1.0353534		1.1473181	0.94087478	1.0194309	0.9971745	1.0182787	1.021613	1.2505031
Control Cont	Phase-1 KCI-/8	4 4007464		1_	0.9073492	0.9926708	_	0.93870413	1.0408777	1.0164456	_	1.120058	0.9445208	0.9132683
12.25729 10.252270 10.252290 10.252290 10.1055 10.1055 10.252290	Fas antigen	1.109/401	┸	┺	1.1940523	1.0553911	0.9821005		0.93328595	1.1271849	_		1.1889317	1.2822203
Controlled Con	Macroprize Intermitatory Modern's appre	1 2213789	1_	上	0.78899103	1.011055	1.0007684		0.86386657	1.138228			1.010307	1.3 102044 0.0462834
O 572-2551 O 1077-1055 O 1077-255 O	Dhase-1 RCT-207	0.6960295			0.9298088	1.0920497	1.0193889	1.0580065	1.1606895	1,0009496	_	1.0211909	0 74511087	0.66962266
OBJECTION INCLUDING OBJECTION INCLUDING 1 (1972-10) 1 (197	Aspartate aminotransferase, mitochondrial	0.73811066			0.9972565	1.0497019	0.9194645	0.95154	1.0522314	1.0340588	┸	1 034808	1 1364951	1.274854
0.0252779 0.02707050 0.02707050 0.0270705 0.	Casein-alpha	0.973263	_		1.1954305	1.1423485	1,2990/1	7.00000	1,03/0430	1 240526	4.	┸	1,0230411	1.0681462
0.0252779 0.17072068 1.1007204 1.005020 0.0251024 0.025202 0.02	Malic enzyme	0.88261294	_		1.0530596	1.5943162	1,443/9/2	0.930927	1 3978713	ľ	Ļ	_	1.195307	1.2090561
1,100000000000000000000000000000000000	Phase-1 RCT-30	0.9252576		9	1.1979623	1.1403470	1 1878177	1 0222437	1.0264909	1	┺	L.	_	1.3805225
Observation Controlled Co	Hepatocyte growth factor receptor	1.1057886	١,	1.1121343	0.8000044	0 8088312	0 89782134		0.78714186		_	1,1138277		0.85979635
1,12959178 1,2204597 1,2204598 1,4204598 1,4204598 1,4204591 1,4	MAP kinase kinase	0.9999999	9	1.0449091		0.0300312	0.82740009		0.9646989		┺	ш		0.59811926
U. MORASZIO I. 1. (1977) 160 10.00000000000000000000000000000000	Sodium/glucose cotransporter 1	1.2569185	L	0.6107/39	0.03037004	0.47855267	1 3658245	1 1474117	0,4942059	_	Ш	_	1.6050224	0.6609024
1,1855297 1,2200744 1,1015702 0,8145591 0,8145592 0,9145592 1,1015702 0,9145592 1,1015702 0,9145592 0,914592	Phase-1 RCT-27	0.92845273	_	2.0013384	-1	1	⊥	1.1001874	0.8884317		Ш	Ц	1.2248577	1.1936268
1,1377566 1,7075466 1,4456279 0,5477540 0,4456279 1,4456279 0,4577540 0,4574540 0,4575430 0,45727415 0,4565430 0,45727415 0,44727415	Phase-1 RCT-50	1.006083	1	4	0.9140614	1_			1,1465833	0.91266286			0.9725194	0.9199516
11877718 0.01767718 0.01767718 0.0176784 1.0007018 1.0	Phase-1 RCI-192	1 117685	1	L.	Ļ	┖	0.98959225	L	0.8574683	0.74010164	_	_	0.8589131	10713627
11277324 0.2727154 0.27272154 0.70247215 0.70267216 0.70262716 0.7026716 0.70262	Phase-I RCI-200	1 1978749	1_	12	L	Ш	_		_	4	4		9	0 9434043
1,180,281 1,180,2827 1,180,282 1,181,282 1,1	Omanic cation transporter 3	1,1277324			Ц		_	1.0062274			0.94/5/93			0.854069
0.8377641 0.2825271 0.282682 0.7512214 0.023625 1.102622 1.102622 0.247524 0.02524 0.247524 0.245262 0.247524 0.02524 0.247524 0.247525	60S ribosomal protein L6	1.1303384	_	1.0307205	0.7087612		٦	┵		- 1	1 0802664	ᅩ	L	0.9105815
0.040778 0.0550078 0.0550078 0.0550078 1.0500	Zinc finger protein	0.937541		_	4	_	1	1		1_	_	_	┖	1.0583053
1,00009251 1,0000009251 1,0000009251 1,0000009251 1,0000009251 1,0000000000000000000000000000000000	Calgranulin B2	0.85010	-	4	4	_	1	L	1	↓	1_	_	Ц	0.7540472
1,00000001 1,0000001 1,000000001 1,0	D-1	4 006307		1	1	┸	╩	┖	0.97515875	Ш		\Box	_1	0.97160876
1,0079600 0,2234424 1,096,074 0,0415061 0,788,047 0,2006,047 1,2016,0	Phase-1 RCI-82	1 090995	-	1	_			0.9973956	1,2733573	ш	4	_		1.3428153
12570781 10718775 1001564 0.05250784	Matth F/G	1.0079608	0.92934424	L	Ш	Ц	-	0.97784233	0.90669477	_	1	4	1	1 1301482
0.83728/1748 0.7252184 0.825526/10 0.83728/174 0.7252184 0.828526/174 0.725186 0.725186 0.7251878	Mutt. homologue (MLH1)	1.217078	щ			4	4	4	4	l_	۲	4-	L	1.0638281
12519256 11409516 15271099 081985284 1160879 11098795 11409516 12521099 081952584 11608795 110987959 1	Phase-1 RCT-79	0.8322873	\perp	_	_	_		4	┸	┸	Ļ	1	Ĺ	1.0308444
0.0879959 1.08472184 0.8441920 0.9441920 0.8	Sorbitol dehydrogenase	1.251935	_		4	1,	┸	4	L	4_	L.	<u> </u>	Ц	1.249303
1.05/1955 1.052361 1.252180 0.4414477 0.874201 0.874201 0.86592350 0.8652465 0.9185007 1.0562851 1.125455 1.252180 0.4414477 0.874201 0.874201 0.874201 0.8659275 0.7430586 0.8652865 0.8659014 0.8658951 0.8812186 0.8812188 0.8812186 0.8812186 0.8812186 0.8812186 0.8812186 0.8812186 0.8812186 0.8812186 0.8812186 0.8812186 0.8812186 0.8812186 0.8812186 0.8812186 0.8812186 0.8812188 0.8812186 0.8812186 0.8812186 0.8812188	Phase-1 RCT-24	0.9576	-	_	4	1	1	╧	Ľ	┺	乚	Ц	_	1.2273982
oxidase 0.773566 0.67356927 1.0507642 1.10507642 1.0507642 1.0507642 1.0507642 0.7439637 0.7439637 0.7439692 0.7439692 0.8675649 0.8675649 0.8730692 0.8675649 0.8730692 0.8876189 <th< th=""><th>Calgranulin B1</th><th>1.087995</th><th>4</th><th>1</th><th></th><th>+</th><th></th><th></th><th>L.,</th><th>_</th><th>H</th><th></th><th>_</th><th>0.79972786</th></th<>	Calgranulin B1	1.087995	4	1		+			L.,	_	H		_	0.79972786
Control of the cont	Elongation factor-1 alpha	7,0001.1		þ		4	1_	ł	-	Ц	Ц		4	0.94670564
Comparison Com	L-gulono-gamma-ractoric oxidase	1 175176	_	1_	1	-	ш		_		_	_1.	4.	4 5402165
- IRCT-233	Tidad No. 10	0.999849	ᅚ		Ц	4	_	_	4	_	_1	4	4.	0 9230744
1100166 0.1692696 0.260204 0.200204	Phase-1 RCT-233	1.099791		٥		_	٧.	_	_L		_	+-	1_	1.0528359
0.17777106 0.82820850 0.828063035 1.35227192 0.45067187 1.052488 1.1056435 1.056435 1.056435 1.056435 1.056488 1.1056418 1.051485 1.056435	Phase-1 RCT-36	1.110016	7	_					4	┸	٠.		上	1.1349998
1,065/897 1,005/897 1,05/897 1,005	Phase-1 RCT-242	0.7197770	4		_1.			0.900132		1	٠.	۳+		1.2872792
1.1151202 1.2745337 1.1050265 0.8086561 0.8046561 0.804568 1.0040126 0.8045765 0.8045701 0.8045701 0.8045701 0.8045702 0.8045701 0.8045702 0.8045701 0.8045702 0.804702 0.8047	Phase-1 RCT-181	1.066789	┸	_		-	┸	"	_		Ш	8 0.8143076	ш	0.84423804
0.83902371 0.847766 0.98610528 1.05577 1.056315 1.060201 1.0162618 0.9863386 0.9847171 1.008972 1.0166115 0.6802352 0.7139206 0.7739206<	Phase-1 RCT-185	1,01/39/	L	1_	ľ	╄	_	Ш		Ц		3 0.8997061	4	0.75714844
0.04426755 0.7133261 0.7133260 0.8672787 0.7948403 1.0138688 0.8912374 1.0719646 0.96125376 1.211948 1.024342 0.7034067 1.2035404 0.7034067 1.2035404 1.0034067 1.2035404 1.0034067 1.2035404 1.0034067 1.2036406 1.0034067 <t< th=""><th>Prase-1 RCI-1/9</th><th>0 0000439</th><th>Ļ</th><th>+</th><th>1</th><th>١.,</th><th>L</th><th>Ļ</th><th></th><th>╛</th><th>ö</th><th>_1</th><th>4</th><th>0.9219737</th></t<>	Prase-1 RCI-1/9	0 0000439	Ļ	+	1	١.,	L	Ļ		╛	ö	_1	4	0.9219737
0.8428755 1.1305418 0.6477811 1.572596 1.385982 1.038237 0.8838441 1.8856891 1.8076891 1.8076891 1.8076892 1.6876891 1.6876891 1.6876892 1.6876893 1.6876892 1.6876892 1.6876893 1.6876892 1.6876893 1.6876892 1.6876893 1.6876893 1.6876893 1.6876893 1.6876893 1.6876893 1.6876893 1.6876893 1.6876893 1.6876893 1.6876893 1.6876893 1.6876893 1.6876893 1.6876893 1.6876893 1.6876893 1	Prase-1 RCI-144	1 016611	1.	۱ <u>.,</u>		Ļ	Ц		\sqcup			4	4	2.0530102
1.2116475 0.8855131 1.0823371 0.81789815 0.8186555 0.85122436 1.0134186 0.8161224 0.817333 0.8008333 1.0162863 0.8182738 1.1258496 1.1900832 1.134988 0.8181407 1.2401871 1.0008047 1.3341961 1.115624 1.134988 0.818073 1.0581831 1.148383 0.818073 1.134988 0.8181807 1.1481833 1.148383 1.148383 1.148383 1.148383 1.148383 1.1483833 1.1483833 1.1483833 1.1483833 1.1483833 1.1483833 1.1483833 1.1483833 1.1483833 1.1483833 1.1483833 1.1483833 1.1483833 1.148383 1.1483833 1.148383 1.1483833 1.14838 1.148383 1.148383 1.148383 1.148383 1.148383	Dhose 1 DCT 205	0.8442675	L	L		-		_		_		┸	4-	1
1.0591851 0.8518901 0.78408883 0.82587725 1.1258486 1.1900832 1.134988 0.81811407 1.2401871 1.0088047 1.341891 1.2118628 1.0382733 1.059177 1.4639835 0.7760969 0.9478298 0.61904086 1.0389432 0.8018182 1.0588877 1.1982542 0.84803015 1.0018388 1.001838 1.001838 1.0018388 1.001838 1.	60S ribosomal protein L6 (alternate done 1	_	<u> </u>						5 0.976124					
1.0382733 1,05017 1.4639835 0,7750969 0,9476298 0,81904066 1,0389432 0,6018182 1,0568867 1,1992542 0,84803015	7 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	4 059185	┸	1 0.7940686	3 0,92587125	١.	3 1.1900632	Ш	9 0.9181140			7 1.334196		1.3050565
	Beta-ubum, dass i	1 038273	Ь	7 1.4639834	5 0,7760969	1_1	8 0.81904060		2 0.801818	_	_	2 0.8480301		0.3020203

			1			100000	1000000	4.004004	310000000	0200000	0.0464.2641	4 040E49E	4 0425404
Phase-1 KC L-49	0.9035108	0.9041152	0.97.24.203	0.95954674	0.9632800	1,1505667	1.1204804	1.0132308	0.96360978	-	0.96737236	0.9178016	0.9062931
NADP-dependent isocitrate dehydrogenase	11177726	1.2810171		0.94356095	0.9016394	0.9137557	1.0431974	0.96917844	0.8178391		-	0.90042126	0.89826375
cytosotic												100,000	, 0000
Octamer binding protein 1	1.1131318	0.88388747	1.1553645	1.1651145	_	0.9293766	0.9367259	0.8802673	0.95207435	1.0862574	-	1.0674295	1.2995139
Sodium/bile acid cotransporter	0.9926173	1.2368286	0.6697392	0.8149502	_	0.87654626	0.9859971	0.903415				0.9097055	0.787307
Phase-1 RCT-174	0.9815509	1.017731	0.9915848		1.0664668	0.98777175	1.0282135	1.204103				1.0893688	1.0618905
Phase-1 RCT-77	0.9489244	0.7559252		_		0.84702414			0.83918166		0.78770725	0.8838478	0.80/82956
Inositol polyphosphate multikinase (Ipmk)4	1.1302369	1.7192897	1.5427473	0.84404606		1.0263332	1.0582463	0.63718724	4 030073E	1 1105057	1 1060034	1.0152988 1.0152988	1 2191864
Phase-1 RCT-256	0.988822	0.93276525	0.87148225 0.93079036	-+-		0.80912084	0.346 16300	0.3444213	1.0300733	1.110000	0 6484440	00100100	0 R000785
Equilbrative nitroberzylthioinosine-sensitive	0.8110661	1.0901519	0.8949498	1.0685555	0.88139546	0.95446026	1.0804304	1.1566039	0.90906314	renero Lenenero	0.0104449	8810818:0	0.0038700
Contact name and species	1 1248820	1 OR25550	1 118630R	O ROZROGRE	0.9655682	0.9610749	1.0303564	0.89378226	1.0293167	1.0009392	1.1130519	1.2077318	1.2715989
Phase-1 RCT-209	1.0638688	1.1160479	1.0241308	1,1472267	1.161848	1.0739681	1.1012898	0.9262657	0.98501945	1.0915806	0.9657764	1,0555557	1.0547922
NADH-cytochrome b5 reductase	1.0198122	0.75785416	0.8629723	0.97794515	1.0616492	1.0081551	0.9778786	1.0029769	0.85131794	0.7856769	0.8570639	1.13816	0.8811009
Dwamin-1 (D100)	1.0976964	1.12729	1.0962949	1.0989808	╌	0.93843025	0.9794911	0.9806246	0.9577717	0.9284474	1.0373116	0.94250554	0.96200585
Senescence marker protein-30	1,244297	1.388354	1.2558265	0.8405275	0.93606764	0.777748	0.99379164	0.71824884	1.3233312	1.0193983	1,2239228	0.9022477	0.896805
Phase-1 RCT-89	0.9022881	1.1569375	1.0637238	1.0269579	0.99887574	0.9604561	1.1150047	0.94103813	0.92901736	1.0099242	1.1045071	1.0140665	1.1050774
Camitine palmitoyl-CoA transferase	1.7831252	1.1160477	1.3098538	1.1647052		1.2268768	1.1038733	0.9789007	1.0420814	1.2696422	1.0101001	1.0623919	0.9375202
Alpha-2-microglobulin	0.40555158	2.0323706	1.5267999	0.7876321		0.97238437	1.2350405	0.6222882	0.6327346	0.93988746		1.2681534	0.8034054
Apolipoprotein CIII	0.8069858	0.9994127	1.0208783			1.0368315	1.0110352	1.001873	0.82458305	1.0104269	-1	0.81539536	0.78198636
Cathepsin L, sequence 2	1.3700572	1.3322263	1.4139736	0.91633964	0.71246785	0.80182993	0.9532248	1.0104743	-	1.0224717	0.8911307	0.9035254	0.8311736
Phase-1 RCT-141	0.8700716	1.1371717	1.3984288	1,4447156	1.1709911	1.1046281	1.0661023	1.6869676	0.8682896	0.82626355	0.902205	0.7011204	0.7471177
Phase-1 RCT-289	0.952905	1.1778196	1.143118	1.0802376	1.3068935	0.8110633	1.1559443	0.9886972	0.9898091	1.0188974	1.0830874	1.2013687	1.2192571
Endothelin-1	0.94542795	1.0576198	0.9819329	1.267652	1.3182147	0.9906357	1.1063633	1.0135996	1.167162	1.0550709	1.1287345	1.4308085	1.0275593
Phase-1 RCT-282	0.83314186	0.7304215	0.8049936	1.1563141	0.9672885	1.0746703	0.98393585	1.1328361	1.2774137			1.2969319	1.18350/6
Phase-1 RCT-140	0.7439168	1.1154999	0.8676517	0.9108089	0.99093544	0.9933525	1.2996311	0.8439382	1.0066216		_	0.86519446	1.0009311
Cyclin D1	1.0187466	0.87342864	0.74564844	0.83279556	1.0079576	1.0598619	1.0765207	0.6175439			0.75560457	0.8851954	0.72254395
Phase-1 RCT-287	0.94294107	1.0744214	1.030503	0.9991974	0.8717947	1.1617852	0.9457136	0.7361027	٦.	0.9993638	0.92360455	0,8228000	0.6262/43/
Phase-1 RCT-281	1.1416336	1.1594089	1.07954	0.90726703	0.9197585	0.90147114	0.8946102	0.8403937		1.016/1/24	7.0090932	0.054050	7404064
Retinol-binding protein (RBP)	1,0886132	1.2087088	1.2416284	0.8210069	1.0405831	0.7604555	1.1195494	0.80551636		0.8407/66	0.01810033	0.8342023	0.7491004
ATP-stimulated glucocorticoid-receptor	0.8223845	1.4152279	1.4296607	0.83774436	0.8864414	0.8997137	0.9770935	0.7278989	0.82443315	1.014/10/1	0.88389415	21210/8.0	LIBLO/970
Description profession (Sylv)	0 7187355	0 8555800	การเลรา	0 94973445	1 0989053	1.0526782	1.0831715	1.046879	1.0200009	0.91850126	0.8855577	0.9921752	0.8929618
Dimensio Moses muscula	4 0722612	0 79955655	0.8095454	0.9671666	0 9089285	1.1075358	0.960882	1.0314786	1.0630391	_	1.0142734	1.016861	1.0502899
DAO Manding omtain	77776027	0.8567944	0.9600295	0.8471083	1 0028222	0.9550558	0.97311455	1.0093625	_	0	0.964671	0.98730904	0.9482912
Nucleoside diphosphate kinase beta Isoform	1,2227043	0.9956796	0.7809755	0.9384845	0.97218185	0.99412906	0.9584973	1.2097692	_	1.0037459	0.9943929	0.8972064	0.900477
Gadd153	1.1184	0.92790884	0.9995337	1.050868	1.1407677	1.0127143	0.9793034	0.8198498		1.1234419	1.2247586	1,06311	1.0654631
Insulin-like growth factor binding protein 1	1,4345232	20921576	1.605083		0.95823544	1.084	1.0188805	0.871156		1.0242032	0.91881345	4 000000	4 4 5 2 2 0 2 5
c-H-ras	1.0575941	0.89773905	1.0856918		0.87994375	0.95241904	1.0354452	0.90770775		1.0415013	0.0011930	1.023002	0 7404703
N-tydroxy-2-acetylaminofluorene suffotransferase (ST1C1)	0.88164437	1.2887497	1.0028814	1.0628104	0.9025569	0.8921995	1.103/80Z	5001910.1	_	0.86770270	0.0000919	0.01.04033	0.7 101732
Phase-1 RCT-52	1,3557001	0.8826683	0.9688794	1.0522594	0.76201206	1.0317308	1.0856926	0.85624737	1.0079159	0.9220461	0.96369404	0.9847068	0.9782465
Alpha 1 - infilbitor (II	0.88005626	1.1766325	0.84137124	0.83543295	0.9544944	0.8765229	0.80410594	0.60788065		1.0766128	0.9356605	0.5285459	0.5299165
Starol carrier protein 2	1.1095537	1.0020678	1.0064154	0.92193884	1.0197444	0.85741395	0.9451604	0.9011237			1.1676137	0.71029806	0.81099373
Organic anion transporter 3	1.1187407	1.0294971	0.8862291	0.8401815	0.778048	0.65176517	1.0557644	0.8243237	_	_	0.95527446	1,3530952	1.20226/2
Calgranulin 84	1.1493657	0.9719885		1,1195346	1.0576253	1.1579489	1.0738946	0.941444	0.9238302	1.0860199	1.076079	U.Sbooks	1.1930022
Phase-1 RCT-182	0.89720577	0.93388546	_1	0.88823813	0.9195814	0.82567465	0.9218923	0.8350927	0.81223404	0.81223404 0.93947417	0.9959853	0.9505997	4 0400006
Calgranulin B6	0.850159	0.9113169	_	1.1970901	0.9310925	0.9140271	1.0629773	0.9537698	PORCELEO.			0.89137004	0.0007648
Aldehyde dehydrogenase, microsomal	1.0212852	᠋.	1.0396155	0.908682	0.88059807	COCUSTO.	0.97370654	0.6943173		0.30042144	+-	A P 280657A	0 81167114
Phase-1 RCT-128	1.1650583	_	1.126991	0.98781335	0.9231682	0.81508380	0.00573005	- 1	1.043 147.34 4.4258.48.4	1 1631548		1 4304422	1 2307757
Phase-1 RCI-10Z	0.80/3329	1.149/533	0.7006955	0.007000	0.0460040	4 0447097	0.88047037		_	0.0548956	0 7810226	0.8168681	0.76957196
Arejonator All	1.0234745	1,3244/U3	1.1841422	0.00/009	0.3166643	0 6565382	0.81816316	0.69438758		T	0.8040246	1.3611115	1.0349523
Apolipoprotein An	1 115,572	1 47594	1 460461	0.0703100	0 8378787	1.0505089	1 0484662	0.8607687		1.0742275	0.98715204	0.9178397	0.94055957
Dhase 4 DCT 48	1 6503747	1 8654797	1 8937024	1 1499543	1 4814893	0 92594284	1 1625558	0.9046681	12125466	1.1998762	1.2521398	1.3124697	1.3517832
Dece 1 DOT 8	4 0504101	1 3829082	1 1708802	0.9540422	0.96511793	1 0657654	1.1178143	0.718768	0.792023	0.9501004	0.7819844	0.88059308	0.854054
Priase-1 ROI-6	1.0384101	1.3022002	1.1700002	0.3040462	0.000	Local Control							

Phase-1 RCT-88 Beta-alanine synthase			C 38 59			3		5					
Beta-alanine synthase	1.0946724	1.4547548	1.26784	1.0965971	0.93897045	0.80873495	1.0067487	0.9533916	0.9709692	1.0028412	0.9076848	1,0592301	1.0496689
	1.8643997	21203961	1.9604373	0.79492944	0.46308443	1.0008141	1.0140375	1.0149322	1,1167145	1.5072222	1.2938279	-	1,3857671
Phase-1 RCT-296	1,2385194	1,604609	0.87612647	0.9452577	0.8324739	0.8901228		0.61804134	1,027992	0.9221876	1.3798724	-	0.72016484
Carbonic anhydrase III	0.44392034	1.6906607	0.7984101	0.5934242	1.3014743 (0.52857848	1.4373379	0.76540256	0.8170907	0.8959975	0.7321462	덛	0.54282427
Phase-1 RCT-291	0.9854612	0.8459615	0.99152267	0.9698417	0.9240737	0.87413204	0.9027695	0.97736305	0.9508338	1.0276227	-		1,0724095
Carbonic anhydrase III, sequence 2	1.2766609	1.555703	1.3459808	1.0553286	0.95525336		0.98534435	0.8353686	0.8344783	0.9285978	0.8440249	-	0.82623005
Phase-1 RCT-271	0.85976017	0.7572667	0.52788558	0.7833346	0.84776926		0.99519366	1.2707809	0.9527961	1.0068054	0.8527886	_	0.85345197
HMG-CoA synthase, mitochondrial	_	0.99324024	1.1432234	0.88214016	1.0350075	1.1001743	0.80759054	0.72492045	0.9678924	1.2176248	0.9097092	4	0,9385505
Phase-1 RCT-189	0.9481671	1.1903716	1.0813708	0.99551433	1.0355072	0.9996302	1,1124154	1.0427809	1.0262027	1.0594009	_		1.1283184
Phase-1 RCT-40	1.1579304	1.4880637	1.2114938	0.9542328	0.9344972	0.9656231	1.1433935	0.9270871	0.8836049	0.8517246	뛴	-	0.77622837
Urinary protein 2 precursor	1,5637999	1,7302519	1.2417653	0.9412271	0.9271659	0.9895025	0.9825305	1.1011666	0.7399393	0.7790721	0.8056236		0.8521345
Paraoxonase 1	1,0859834	1,0961016	1.089469	0.80219746	0.8265013	0.7698115	0.8397236	0.7640968	0.8197056	0.8579436	0.9522977	_	0.6394304
Liver fath acid binding protein	24441092	20403361	_	0.66076475	0.7835433	0.9840676	0.95831585	0.7265947	0.8804703	1.0102272	1.0955236		0.98397565
Presentitu-1	0.8788759	1.1620302	٠	┺-	0.94149333	_	0.87282896	0.6022642	0.86035265	0.9603638	0.93238705	_	0.50199383
Phase 1 PCT-38	-	0.86668223		┺-	0.9867327	-	0.96490175	1.048939	1.0951434	1.2021264	1,2582306	0.98695904	1.1878568
Dhare 4 DCT 370	-	1 0309482		1.0113083	1 1271573	-	_	0.87998736	0.97436788	0.8952242	1.1103922	0.89437	0.9365773
Tenedheratio	4 1402613	1 4871801	1 2497473	0 7778149	+-	† -	_		٠.	0.83723545	0.7782328	0.7506251	0.74069726
Light force	0.08408456	7321705	+-	┿-	-	+	0.8627411	٠	╄	0.9855757	1.0348941	0.6967887	0.5865308
Cytodemic D450 4444	1 0240809	1 PORR 199		+-	1	0.96632355	1.0724602	_	0.94902724	0.8927369	0.7212466	1.1011988	0.93290488
Open 4 DOT 175	4 974576	4 2024230	1 1821849	1 0251148		0 9245302	1 1269246	-	0.8564685	1.0317281	0.9147559	_	0.9448573
Phase-1 RCI-173	1 2250744	4 75484SE		-	0 56374504	0.9726462	1 031061	1 0301884	1 1392814	13749171	1 1821969	1.4298959	13554323
Fhase-1 RC 1-11/	1.3203714	204040			1000	0.0430574	1 0317522	1 048511	0.85510796	0 9225142	0 9980855	0.8557747	0.7058342
Phase-1 RCI-137	1.28002/	1.24049	1 077770	4 4244078	1 0040999	1 1055447	0 0342444	1 12439	0.8415554	0.8830532	0 7345863	2	0.85916615
Welanoma-associated antigen mc491	ı	0.3400021	0 0235503	0.04483406	-	+-	D 08504003	0 7494679	1 0615547	1 091711	1 209812	3	1.1987983
Phase-1 RCI-12	1.04646/5	0.88147508		+	SELECTOR O		4 0134348	1 0887509	0 8248254	0 8833249	0 92814704	0.8266792	0 7467286
Phase-1 RCI-152	1.1898304	0C/00CR'D	+-		0.037248	+	0 08180586	0.8350881	1 0155889	1.06171	1 0732108	0.9775018	0.9843224
14-5- Zeta	0.02042020	1.1/015/2	1.10/4109	1 0642704	0.82220	ţ	4 0080024	0 9269697	0 7691934	0 93078285	1 2082089	0.81701195	0.8609785
Cytochrome P450 2C23	1.5144022	1.477107		1.0042/91	4	0.000000	1000000	9760300	D 00728/78	O DRRN7045	4 0265064	0 9429637	0 963 1000
Voltage-dependent amon channel 2 (Vdac2)	1.3086204	2007	1.0309639	0.04018744		200000	0.1	0.00000	2				
Dhose 4 DCT 454	0 74023285	1 0496657	0 9854668	0.99318796	1.0617615	0.9735935	1,1061276	1.2570789	0.9419498	0.8716424	0.90939176	1.0408293	0.9349719
Smenwide districtions Min	1 2993141	1 2324454	1	0.9540775	1.0481809	1.0625435	1.097389	1,039545	1.0340834	0.9925498	1.0761425	1.1318398	1.055182
C-min	+-	0.98849948	0.9532215	1.1028724	1.1575606	98	0.85239303	1.0101552	1.1288445	0.93057245	1.0381058	1.1311163	1.0549672
Dhase-1 RCT-198	+-	1.1317798	0.96608293	0.9712234	1,1018085	1.0372076	1.0598614	1,1140608	0.97963685	1.0656767	0.95397437	1.0856752	0.9236479
Celina	+	0.98009014	0.97938985	1.0954934	1.1774526	1.2735089	1.0770138	1,1380818	1.1913975	1.0550238	1.184819	1.1178337	1.1436332
Catorandin R5	+-	0.96069384	1.0095889	1.0070475	1.1641338	1.076253	1.0993432	1.1802288	1.0386683	0.93876513	0.986288	1.1352257	1.0376165
053	-	0.9652913	0.8431112	0.8290238	0.88633925	_	0.96915054	1.0261878	1.1170901	1.0284007	1.0373182	0.9435335	0.78837794
Phase-1 RCT-205	+	0.86365116	0.9108619	1.1215739	1.1375027	1.0816698	0.93639624	1,1389754	0.97421014	0.94838265	0.94668704	1.0491421	1.0418348
Phase-1 RCT-68	-	1.0305592	1.279018	0.9820305	1.0912864	1.0211445	1.1762831	0.98660207	0.94020367	0.9509398	0.95525503	0.98655593	0.9795846
Caspase 3	0.8808707	0.8829637	0.85809505	1.1165344	0.9941796	0.9424836	1.0328995	1.21912	1.0577402	1.0264006	1.0205785	-	1.1938387
Alcha-tributio	0.9573715	0.75471425	0.70944154	0.8870043	0.92886084	0.9984175	0.96742713	1.7517807	1.3497024	1.2024685	1.3015872	_	0.82056594
Ribosomal protein L13A	1.4137654	1.421048	1.328438	0.81044424	0.85232	1.02045	0.8093405	0.9349457	0.9874277	-	1.122157	-	0.91511923
IdE binding protein	1.0710549	1.0563584	0.92322487	1.140696	1.0545754	1.1020317	1.1198962	1.2479137	1.0166284	_	0.88913006	1.0033376	1.0562475
Phase-1 RCT-39	0.90697706	0.7637644	0.8367725	0.9581429	0.8392383	0.9626771	0.9242961	1.2017114	0.98324895	1.064578	1.0431495	-	1.1031132
Cofilin	1.0752945	1.2717332	1.0648916	1.0198925	0.9815837	1.0454087	1.1049377	1.005104	0.9384833	0.9831431	0.8889224	,	0.91114545
Heme oxygenase	1,050937	0.8838499	1.3869224	1.1569924	1.0006303	0.9626806	12185916	1.0401386	0.99303037	0.9999794	1.0400425	-	0.8929756
Phase-1 RCT-241	0.72686213	0.8484215	0.9124418	1.192604	1.1218424	1.0909806	1.1078087	1.1237997	1.0777122	1.0831321	1.1070241	3 8	0.97400516
Ribosomal protein S9	1.2827181	1.1281371	1.0102783	_	0.97357786	1.014014	1.0585569	1.148671	0.8722426	0.94357884	0.81793845	,	0.82699263
Phase-1 RCT-258	0.73896426	0.89950126	0.8985091	ali	0.94411623	1.0420799	1.4051087	1.0202287	1.0200604	1.0380136	1.0142348	1,0203331	4 4676034
Argininosuccinate lyase	1.1984321	1.3802234	1.755123	0.9588067	0.785754	0.96489877	1.0250908	Carreda.	2028/201	7 0707090	1.26/0034	0.94039990	4 0474804
Phase-1 RCT-180	0.93808885	0.96756774	1.0151885	0.97361034	1.2165886	1.2033175	0.9684245	1.13116//	0.8897875	1.0360788	1.1423078	R L	1.047.103
Multidrug resistant protein-1	1.0356128	1,1278173	1.369567	0.86007285	0.9240845	0.9724335	1.0016265	0.8867703	1.163/654	1.2466/41	0.999822	12	1 4408483
Omithine decarboxylase	1.1253372	1.16706	1.071773	0.76385754	0.9981266	0.9651812	1.1404023	1.098/549	1.2847718	1.1232225	1.0769171	1.0144377	0 78005055
Thymosin beta-10	1.2976882	1.1868483	12924932	1.0991974	1.142/306	0.80840894	0.9363493	20105011 4 4557070	1.0459130	1.0403490	4 0043234	-	1 100637
Phase-1 RCT-72	0.92329425	0.7272395	0.7384859	1.0268527	0.80344336	1.07/9855	0.86763373	1.4557870	1.0500113	0.0000000	4 0001944	0.0827058	0 98391587
Phase-1 RCT-109	1.2235347	1.1790587	1.176983	0.841/1	0.8985/83	1.0083104	0.69163/30	0.63910114	0.93 143034	1 0210848	1 0421982	0.79573756	0.8923479
Phase-1 RCT-76	0.8843/1/6	0.8556274	0.9255246	0.7472213	4 0407044	0.0024334	4 0796738	4 4827446	0 7524 476	0 0407857	0 73060376	0 9080168	0 7144368
Vacuole membrane protein 1	0.9270368	1.1/2/35	0.8337464	0.83384074	1.015/01/1	0,3000010	I.VI UULAN	1,101,1	7.1.2	1			,

				11000000	1000000	4 020705	4 0872382	0.0579051	1.0186083	1.0162088 0.94729143	0.94729143	1.0809792	1.0336937
Phase-1 RCT-158	0.66195923	0.9700287	ł	1.1/10/24	0.004332	370000	4 0740357	0.0525875	0 9275319	1 0092258	0.9346065	0.8316955	0.8229574
Phase-1 RCT-113	0.80044	0.80044 0.92196745	- 1	1.0460693	BLEECK D	1.03042/3	0.002020 0.832000	0.0000000	0.026.00	1 1340623	1.0196021	0.8513667	1.0279377
Endogenous retroviral sequence, 5' and 3'	0.6782672	1.2246965	1.0576297	1.0766603	0.9874615	0.8485337	0.99321003	0.0002000.0	0.000021				
רוא	10110511	0.0623464	4 030102	0.8045703	0 8045703 0 9830R304 0 83742505	0 83742505	0.9729326	0.9561148	0.8947739	1.0470562	1.0591486	0.6745468 0.74550587	0.74550587
Beta-actin	1162112.1	W2223134	1.039192	1 0450874	0 0322175	1 1789769	1 1039528	1.0191324	1,2497288	1.1730624	1.1810716	1.140557	1.3204659
Phase-1 RCT-65	121/B/B/0		1.014031	4 4077504	1 06777904	1 1055820	1 0599222	1 1407367	1,5316396	1.5088453	1.278869	1,2656928	1.3743786
MHC class I antigen RT1.A1(f) alpha-chain	1.3847288	1	0.0325307	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1 12101BB	1 1170973	1.0058831	0.7727151	1,3098528	1.181285	1,2065555	1.0946876	1.2154232
Bax (alpha)	1,065050	1.0850559	4555556 0 0 0 0 0 0 0 0	4 432738	1 1045502	1 1249284	1 1036372	0.8331498	1.1370302	1.0101993	1.0561584	0.9547021 0.89553744	0.89553744
Carbony reductase	4 4 6 6 0 7 4 6	4 4000740 0 070470000	0.94001067	0.84001007 1.132130 0.0043067 0.84760505	0 9871708	0 9871708 0 94595583	1.022719	1.1220148	1.0069226	1.0326213	1.049897	1.049897 0.83140105	0.9974334
Beta-actin, sequence 2	1.1003/40	1.1003/40 0.0/04/04/		4 0477405 0 0040119	1 0059454	1 036691	0.8998076	0.7933881	1,151432	1.1544472		1.0911233 0.98778737 0.97278774	0.97278774
Interleukin-10	0.07034403	0.80845157		1 119819	1 2205441	1 157 1751	1.0781744	1.0791872	1.0272368	0.9955303	0.9955303 0.99309844		1.1723387
Phase-1 RCI-191	0.9170023	0.91003014	0.9170623 0.91083614 0.9325433	0 7806872	_	0.91603138	0.8306917	0.7215341	0.7215341 0.91962326	1.0331296	1.0893724	0.8341245	0.93308353
Phase-1 RCI-111	4 055047	4 400,4605	4 0347705	0 0700572		0.9531676	1.1025378		1.1037625 0.72551674	0.7790815	0.738749	0.951435	0.6973325
Apoptosis-regulating basic protein	1,00001	1.1004003		0.0045086	O BOTEORE O BROK1403	0.8684461		0.6780573	1.11503	1.1948129	1,5335505	1.0772269	0.9913603
Glutathione peroxidase	1.4469//0	0.0070500	┸	1 003111	1 003111 1 1812022	1 2366444	1 2366444 0 87299913 0.95738107	0.95738107	1.0151432	1.1614729	0.9522174	0.9522174 0.98011166	12601181
Phase-1 RCT-239	0.631520	0.53/2320		1 1781002	1 1780342	1 0562395	1.0678416	1,1805832	0.9615478	0.9207137	0.9185731	1,113898	1.1029582
Phase-1 RCI-67	0.1449/32/	0.000000	.L	1000000	00244205	0 0045114	0.994663	1	0.9528621 0.93159044	1.0755028	1.2148254	1,0016134	1.094271
Tryptophan hydroxylase	1.0531231		_1_	1 2011021		0.0013722	1 0608377	0 6342107			0.9577213	1,2163014	0.6651891
Sufformsferase K2	1.1041638	- 1.	Ţ	1.0014704	0.00013014	0.0312122	4 00004	4 01147R		102201 10210114	1.031204	1.0287206	1.0751382
Calgrandin B9	0.9003511	0.8984128	1.0783855	1.1860876	0.9440091	0.5054830	4 290,4577	1 104799		+ mon1745 0 98828574 0 95436114	0.95436114	1.108561	1,1538095
Phase-1 RCT-123	0.9840272	0.95242256		1.1530699	1.115/330	1.1419140	1.00340	ľ	4 CR25384	0 9882147	1 0491876	1.054389	1.1272856
Phase-1 RCT-98	1.0082706	1.0082706 0.93524003	0.9872265	- 1	- 1	1.0300300	4 0070000	- 1	4 0407448		0 9808422 0 94482875	1.0854695	1.0948906
Aquaporin-3 (AQP3)	0.9766588	0.84946144	0.9786586 0.84946144 0.89538354	Ų	- 1	1,03/3339	0.0400400	4 7807087	0.4816812	1	1 0535356	1 0535356 0.37955573	0.30454692
Stearyl-CoA desaturase, liver	0.82795036	0.17317982	0.82795036 0.17317982 0.08652063	0.9234218	1.3060855	1.456/654	0.9160199		0.0004406 0.06428685	1	1 0731648	0.981597	1.0562081
Phase-1 RCT-64	1.1463044		0.7713191 0.79589236	1.1597813	1.0597418	1.1571324	1.1043908		0.83 120000	ı	2		
						-							
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of													
treatment/control for all 24 hour predictive													
genes (Table 5).													
(2) Compound and dose abbreviations as in													
Table 1.													
(3) Individual animal number													
(4) Liver inflammation classification for													
compound-dose group at 72 h: yes-next,													
necrosis observed; yes-both, necrosis with													
inflammation observed; no, no histopathology	2												
observed													
(5) Predictive gene (as in Table 5 and as individed in Table 28)													
וונמתמם ווו ומתם לה													

Company Control Cont	Table 29. Expression Data for 24 Hour Timepolit (1)													
Control Consideration 1		000,000		Т	T	1		0000				T	T	ST.0.4
Commission Changischer (*) no. 100 no. 1	3	SON 200	2	Š	900	78	įž	728B	778	345	346	1424	1425	1426
Control	rmation Classification (4)													
Control	Gene Name (5)													
COUNTROL OF LINEARY COUNTROL OF LINEARY	Gamma-actin, cytoplasmic	0.81668353	1.1659275	1.0089909	1,0666492	1.3458477		1.0273638	1.4728116	1.2995538	1.0561625	0.8396725	12726216	0.9196373
CONTRINGED CONTRINGED CONTRIBUTION CONTRIBU	Phase-1 RCT-145	0.9861513	0.9818517	1.011452	0.96596174		0.80/0483	0.354519116	0.8878018	1 2772439		0.97304916	0.7607668	0.8417025
Controlled Designed 1,0000000 1,0000000 1,0000000 1,000000 1,00	Phase-1 RCT-78	1.0377523	1.0118381	0.9616363	1.035498		0.93332005		0.82549554	0.9239322		1.015147	1.0304314	1.1373146
1,1056201 1,1066201 1,10	Fas antigen	0.9702953	1.117694	1.0470116	1.085591	1.1050112	1,1259136	1.1101309	1.5074538	1.5125973	1,3790355	0.8435948	1.0709106	1.0974652
1,1051-501 1,1051-501 1,1050-501 1,1	Macrophage inflammatory protein-2 alpha	1.0896603	0.95299965	0.8827473	1.0371416	0.99722964	1.0656035	1.1011482	0.9760901	0.9733616	0.9259647	0.90451324	1.008894	1,011835
1,106570 0,505260	Integrin beta1	1.0344393	1.1648862	1.1730943	1.3319618	1.2326119	1.2749877	1,3853215	1.8486841	1.6701841	1.7924253	- 1	0.9617203	1.2238392
11051220 0.0553420 0.1032420 0.103		1.1958573	1.0381937	1.1385409	1.0940908	1.0536605	1.1863681	1.0710576	1.0448158	1.0363657	1.2255818		0.7455412	0.67223334
11695281 11695281	┪	0.74748677	0.9393543	0.91897786	0.9503369	0.9209142	\rightarrow	1.0110956	1.020591	1.0485995	1.0712389	12853083	1.461474	1,5003353
1,005/80 0,007/80	Caseln-alpha	1.1986328	1.0475682	1.0524218		1.0028352		0.97234327	0.9515057	0.85014854	1.0021313		0.0382350	0.787333
Company Comp	Mailc erzyme	1.1051246	0.8143643	1 0381746		0.984873	0.8835008	1.0762517	0.8913586	0.74252576	0.8520089	1_	0.63904643	0.6611339
Colonia Colo	Henatocule crowth factor recentor	1 2838748	1 027575	1.063001	1.1011021	1.0715958	1.0460532	0.9834322	1.2400773	1.0362331	1.3222686	0.9381366	0.75529504	0.83622074
Liebsone Liebsone	MAP kinase	0.79093766	0.9998791	0.97506094	1.0751804		0.96799034	0.9256604	0.9680808	1.1647916	0.98721045	1.0518181	1.0621337	1.009124
1,1606/129 0,427620 0,427520 0,44752	Sodium/glucose cotransporter 1	0.7619419	1.0606772	0.8826619	1.1587833	1.2025312	1,2074665	12528331	0.8681726	1.1123862	0.88427055	1,2090348	1.4381496	1.61234
1,0001729 0,0004200 1,00042	Phase-1 RCT-27	1.8353896	0.5274138	1,0980055	0.5684441		1.04085	1.1780117	0.4321448	1.0367874		1.7938923	0.67838466	0.86/3863
1.0820943 1.0820944 1.082094 1.0820941 <th< th=""><th>Phase-1 RCT-50</th><th>1.1080062</th><th></th><th>0.9900424</th><th>1.0237949</th><th></th><th>0.83158004</th><th>0.9610024</th><th>0.8530907</th><th>1.0160044</th><th>0.7938151</th><th>0.74111557</th><th>0.6195437</th><th>0.85348797</th></th<>	Phase-1 RCT-50	1.1080062		0.9900424	1.0237949		0.83158004	0.9610024	0.8530907	1.0160044	0.7938151	0.74111557	0.6195437	0.85348797
0.68780681 1.0782671 1.0782671 1.07826781 1.07826781 0.078268483 0.078268483 0.078268483 0.078268483 0.08786849 0.078268483 0.078268483 0.08786849 0.08786849 0.08786849 0.08786849 0.08786849 0.08786849 0.0878689 0.088278261 0.08786979 0.08786979 0.08786979 0.08786979 0.08786979 0.08786979 0.08786979 0.08786979 0.08786979 0.0878697997 0.0878697997 0.0878697997 0.0878697997 0.0878697997 0.0878697997 0.0878697997 0.0878697997 0.0878697997 0.0878697997 0.0878697997 0.0878697997 0.0878697997 0.0878697997 0.0878697997 0.0878697997 0.0878697997 0.0878697997 0.0878697997 0.087869797 <th< th=""><th>Phase-1 RCT-192</th><th>1.0867399</th><th></th><th>0.89737316</th><th>0.9433329</th><th>0.923407</th><th>1.3487914</th><th>1.0871835</th><th>1.7667748</th><th>1.3559887</th><th>1,3810961</th><th>1.0994557</th><th>1.2948046</th><th>1.1900/49</th></th<>	Phase-1 RCT-192	1.0867399		0.89737316	0.9433329	0.923407	1.3487914	1.0871835	1.7667748	1.3559887	1,3810961	1.0994557	1.2948046	1.1900/49
0.867/09/18 1.0000071 0.859/09/20 1.0000071	Phase-1 RCT-288	0.8286943	Ш	1.0710568	1.114428	1.1401707	1.099057	1.068113	1 2450475	4 2070840	4 4070466	0.7793902	1.289207	0.0888588
0.6010728 1.002704	Phase-1 RCI-3/	0.96/6918	1.		4 027550	1.0992/80	1.22112/2	1 4350403	1 260507	1 3816513	1 3287756	0.97405064	1 0975614	1 0572598
1,0777481 0,53726206 0,5921073 0,5902607	Organic callon transporter 3	0.8030709.00	1 0183214		1 0313096	1.0486721	1.30762	1.136356	1.4519244	1.6176236	1.3338286	0.91377705	1.171476	0.9655044
0.9000873 0.94443516 1.117017 1.0638684 1.0638684 1.0638684 1.06386810 0.89624281 0.85624283 0.85624283 0.85624283 0.85624283 0.85624283 0.85624283 0.8562483	Zinc finger protein	1.0777481	۱۳	0.9321073	0.9492872	0.9503603		0.92881405	1.126794	1.1159219	0.9886028	0.9924435	1.2370325	0.9665538
0.8758971 0.804961206 0.88578165 0.88578165 0.88578165 0.88578165 0.88578165 0.88578165 0.88578165 0.88578165 0.88578165 0.88578165 0.88578165 0.88578165 0.88578165 0.8857816 0.88578165 0.88578166 0.88578165 0.88578165 0.88578165 0.88578165 0.88578165 0.88578165 0.88578165 0.88578165 0.88578165 0.88578166 0.885781	Calgranulin 82	0.8000973	_	1.117017	1.0696834	1.0453694	0.8693795	1.0811646	0.99245816		0.95864993	0.9671958	0.73436064	0.82474478
0.64677347 0.9867445 0.98677447 0.98677447 0.98677447 0.98677447 0.9867747 0.9867747 0.9867747 0.9867747 0.9867747 0.9867747 0.98678483 0.9867868 1.9868694 0.9868747 0.9867888 0.9868888 0.9868888 0.9868888 0.9868888 0.9868888 0.9868888 0.9868888 0.9868888 0.9868888 0.9868888 0.9868888 0.9868888 0.98688888 0.98688888 0.986888888 0.986888888	ID-1	0.9756971	0.9048503	0.9635615	0.98861206	0.8877909	_	1.0471776	0.96335508	1.062181	0.9264293	1.0130625	4 0727467	4 4374487
1,005300 1,0464509 1,0503024 1,387705 1,387705 1,387205 1,267305 1,366672 1,1164754 1,263505 1,26505 1,26505	Phase-1 RCI-92	4 0006646	_Ľ	1 0003545		-		1 0586698	1 492439	0 71938694	1 3384038	0.85604423	0.86256255	0 71300817
1,055/2026 1,055/2026 1,055/2026 1,055/2026 1,055/2026 1,055/2026 1,055/2026 1,055/2026 1,055/2026 1,055/2026 1,055/2026 1,055/2026 1,055/2026 1,055/2026 1,055/2026 1,055/2027 1,055/2027 1,055/2027 1,055/2027 1,055/2027 1,055/2027 1,055/2027 1,055/2027 1,056/2026 1,055/2027 1,056/2026 1,055/2027 1,056/2027 1,056/2027 1,156/2027 1,155/2	Math Ele	1 2635303		1 1885837			1 818797	1 3312683	1 2212411	1 0614078	1.365672	1.1184754	1.2997053	1,1500682
0.9407209 0.99142164 1.0724362 0.993766 1.0603161 0.98176164 0.750666 1.0126969 <t< th=""><th>Mutt homologue (MLH1)</th><th>1.0673726</th><th>1_</th><th></th><th>0.9722027</th><th>0.9890975</th><th></th><th>0.99492306</th><th>1.0751213</th><th>0.922804</th><th>1.1568117</th><th>0.9830658</th><th>0.93588394</th><th>0.9087936</th></t<>	Mutt homologue (MLH1)	1.0673726	1_		0.9722027	0.9890975		0.99492306	1.0751213	0.922804	1.1568117	0.9830658	0.93588394	0.9087936
1,016.5559 1,0465128 0,890244 0,8977816 0,9484677 1,1364008 1,1156837 1,136727 1,0162568 1,156268 1,1564299 1,1564299 1,1664298 1,1664299 1,1664299 1,1664299 1,1664299 1,1664299 1,1664299 1,1664299 1,1664299 1,1664	Phase-1 RCT-79	0.9407209	_		0.9939769	1.0603216			0.98758954	0.73705155	1.0135951		0.7550646	0.7181298
1,3823999 1,1277902	Sorbitol dehydrogenase	1,0185959	ш	0.990248	0.997816	0.9484675	1.1340083	1,1159135	1.1517		1.0180518		0.9909119	1.1056229
1,2005411 1,0461835 1,0486221 1,108548 1,08268159 1,0826817 1,050648 1,1032604 1,0826817 1,105668 1,062682817 1,105688 1,062682817 1,105688 1,062682817 1,105688 1,062682817 1,105688 1,062682817 1,105688 1,062682817 1,105688 1,10	Phase-1 RCT-24	1.3532989	_	1.2120779	1.1853223	1.1554829	1.4098384	1.1768937	1.8/30942	1.48355359	1.5540288	9080241.1	1.310003	1.030/340
0.6109480 0.6563507 0.7325242 0.5251746 0.5461605 0.5461605 0.7461685 0.6664304 0.6563607 0.6461602 <t< th=""><th>Calgranuiin B1</th><th>1.2607727</th><th>1.1037432</th><th>1.149822</th><th>1.018359</th><th>1 0316407</th><th>1 2054711</th><th>1.115508</th><th>0.0065161</th><th>1.3 (02002)</th><th>0.93832174</th><th>1 1785588</th><th>1 5463958</th><th>1 2081832</th></t<>	Calgranuiin B1	1.2607727	1.1037432	1.149822	1.018359	1 0316407	1 2054711	1.115508	0.0065161	1.3 (02002)	0.93832174	1 1785588	1 5463958	1 2081832
0.610344 0.68323667 1.0531503 0.68330654 0.68330654 0.68330654 0.68330654 0.68330654 0.68330654 0.68330654 0.68330654 0.68330654 0.68330654 0.68330654 0.68330654 0.68306763 0.7730969 1.724096	Ladge derme ledon addess	4 3205411	1 0461835	1	0.6515527	0 73926324	0 6261718	0.9359677	0.6416021	0.5949166	0.7818844	1.015189	1.0640885	1.4301397
1,2417426 0,9142847 1,0464569 0,86439645 1,6226351 1,0718707 1,071877 1,046865 0,7730369 1,0246736 0,9403845 0,7230361 0,8467864 0,8467864 0,82304657 1,124174 0,8467864 0,8467864 0,82304657 0,82304657 0,8467864 0,82304657 0,8230467 0,8467864 0,8467865 0,	Phase-1 RCT-33	0,610948	10		0.86330634	0.8209232	1.088969	0.92221445		0.55696934	0.9384492	1.1809142	1.3452349	1.2158774
0.8869171 0.84678646 1.0048379 0.8330687 1.121313 0.8777401 0.8043844 0.51658324 0.53004285 0.6861768 1.0051859 1.1025087 1.102	c-lun	1,2417426		1.0464569	0.86439645	1,6228351		1,0708773	1.046685	0.7730988	1,0246736	0.9429843	0.7878346	0.92822963
0.0850779 0.08551979 1.0053525 0.0950452 0.0850550 0.0850505 1.0050505 1.0050506 1.0053503 1.105536 1.105536 1.105526 1.105526 1.105505 1.1050506 1.0050600 1.1050506 1.10506 1.1050506 1.10	Phase-1 RCT-233	0.9869171	0.84679645	1.0049379	0.8330657	1.121313	0.8777401		0.51659334	0.53044285	0.6981768		0.90811664	1.0239288
1,00050763 1,0005062 1,0077166 0,0813189 1,3357192 0,91355372 0,0813078 0,0818725 0,	Phase-1 RCT-36	0.8600779	Ш	1.0035325		익	1.0515262	0.9250851	0.88849956	0.8386043	1.0073639	_1	1.1025287	0.9779161
1,2255081 1,0203194 1,0777166 0,8813182 1,353372 1,1255081 0,1895272 0,2801281 0,2801281 1,1255289 1,1385449 0,28012818 0,28012818 0,28012818 0,28012818 1,1385449 0,280237 1,138549 0,280237 1,138549 0,280237 1,138549 0,280237 1,138549 0,280237 1,138549 0,280237 1,138549 0,280237 1,138549 0,280237 1,138549 0,280238 1,125928 1	Phase-1 RCT-242	1,0035763		1.0786684	1.0523583	1.1367192	0.92551136		0.9335592	0.94909996	1.0268097	0.9390978	0.63069373	0.79180763
0.832/7066 0.932/31784 0.0763/2024 0.927/31784 0.927/31784 0.0763/2024 0.0763/2024 0.0763/2024 0.0763/2024 0.0763/2024 0.0763/2024 0.0763/2024 0.0763/2024 0.0763/2024 0.0763/2024 0.0762/2024 0.0763/2024 0.0762/2024 0.0762/2024 0.0762/2024 0.0762/2024 0.0762/2024 0.0662/2024	Phase-1 RCT-181	1.2258081		1.0777166	0.9549649	0.9813189	1.3537472		0.78116643	0.8985276	0.801/8//	1.02/4212	4 4385449	1 1981014
0.002011 1.003204 1.002004 1.002004 1.002004 1.002004 1.002004 1.002004 1.002004 1.002004 1.002004 1.002004 1.002004 1.002004 1.002004 1.002004 1.0020024 1.0020004 1.002004	Phase-1 RCI-185	0.8708094		4 0044076	4 0208403	1 0320587	0.0020803	0.0082608	1 114418	1 1820084		0 8808916	1 2538772	1 0751095
0.7720562 0.940116 1.0042088 0.9477188 1.027065 1.204383 1.1655149 1.485589 1.4220132 0.782052 0.940116 1.0042088 0.9477188 1.027705 0.949061 0.8765565 0.905068 0.9082288 0.9016574 0.81702266 1.0789739 1.0970556 1.0678776 1.1701252 1.4209288 1.587876 1.0290248 1.2447221 0.81702266 1.0789739 1.0970556 1.0638776 1.29624906 1.1701252 1.4209288 1.587876 1.0109775 1.2447221 1.3846457 1.040907 1.7507863 1.7507883 1.587783 1.4513657 1.0109775 1.2296892 0.9908773 0.9168226 1.1434577 0.9640013 1.0169776 1.20108775 1.2296892	PIESCHI TO 1-178	0.03241000	3	┸	4 0436884	1 0220348	1 005527B	0.9302030	11146936	1 240528			0.84371257	0.8762918
1.4692731 0.86413955 1.2969481 1.2647169 1.2966853 0.8775507 1.1927702 0.9649061 0.8765565 0.906086 0.9062298 0.9062298 0.9062298 0.9062298 1.247221 1.24702266 1.0799739 1.4634577 0.9060873 1.4634577 0.9060873 1.463677 1.267683 1.667876 1.267883 1.463657 1.206082	148-5-1 KO 1-144	0.7720562	۲	4	0.9477188	1 0527065	1 2303292	1.1220281	1.3058561	1,3024883	1.1695149		1.4280132	1.3659623
0.81702286 1.0799739 1.0970956 1.06370956 1.0638716 1.1433125 1.2916285 1.1701252 1.4209286 1.587787 1.587787 1.5877887 1.5877887 1.5877887 1.5877887 1.5877887 1.0109775 1.2296882 0.9808773 0.9808773 0.9808778 0.9859285 1.6875086 1.5832543 1.0109775 1.0109775 1.2296882	Phase-1 RCT-225	1 4692731	Ľ	┸	1 2647 189	1.2666693	0.5775507	1.1927702	0.9649061	0.8765585	0.906066	0,9082298	0.9618574	0.86499655
1.3948457 1.0409039 1.1434577 0.93946446 1.2530004 1.5082289 1.1140807 1.7557893 1.5832543 1.4513657 1.0109775 1.2296822 0.9908773 0.9169236 0.8775058 1.1235701 1.0404013 1.3016168 1.1212188 0.85658285 1.6922912 0.810166 0.7331205 0.8434906	60S ribosomal protein L6 (alternate done 1)	0.81702286	1	<u> </u>	1.0638716	1.1433125		1.1701252	1.4209286		1.3318864		1.2447221	0.9935773
0.9808773 0.9169236 0.8775058 1.1235701 1.0640013 1.3016158 1.1212188 0.85656285 1.6932912 0.8610166 0.7831205 0.8434806	Beta-tubulin, class I	1.3948457	ш	44	0.93846446		ш	1.1140807	1.7557983		Ш	ш	1,2296692	0.8636096
	Multidrug resistant protein-2	0.9808773			1.1235701	1.0640013	1.3016158	1.1212188	0.85656285	_	┙	╝	0.84344906	0.92567056

Phase-1 RCT-49	0.9343741	0.99536085	1.0347002	1.0472064	1.0431451	1.061106	0.9448738	1.1274874	1.1517112	1.1947464	0.9544208	_	0.80899125
Catgranulin B3	0.8852346	1.0903741	1.0118438	1.0594568	1.0888842	1.1103754	1.0416651	1.2849755	1.3503848	1.2912887	0.9192316	0.8470503	0.8945488
NADP-dependent isocitrate dehydrogenase,	0.7823668	0.9417071	0.84153754	0.88674474	0.8771895	0.9477158	0.9172877	1.035638	1.1186335	1.042831	1.103822	1.2804332	1.087262
Cytosolic Odemer biodice omtain 4	1 1138942	0.9501961	1 0064714	0 74384815	0.8997783	0.9414327	0.97792006	1.091721	0.91916174	1.1424946	1.1303307	1,0054168	1,0136973
Sodium/hile and cotransporter	0.892918	1.053679	_	1.1681696	0.9514156	-	1.0005252	0.5635178	0.5625144	0.5683583	1,0010197	1.6986712	1,4382459
Phase-1 RCT-174	-	0.93963504	-	0.97676945	1.1017617	1.1406239	1.0478002	0.74340034	1.0836629	0.7457223	1.136046	1.1524487	1.0907546
Phase-1 RCT-77	٠.	0.95776606		0.9763299	1.1242697	1.2263923	1.0884602		0.8930953	0.6553962	1.276918	1.3716483	1.1638613
Inositol polyphosphate multiklnase (Ipmk)4	0.9441998	1.0348049	0.89276415		1.4025486	0.6813159	0.8502617	-	0.43084842	0.59972	1.1821638	1.6015104	1.7085139
Phase-1 RCT-256	1.2161734	1.0931038	1.1704457	0.96426374		0.9261541	1.1567645	1.2927977	0.75498474	1.313329	1.1051437	1.430769	1.3882747
Equilbrative nitroberzylthionosine-sensitive	0.88391685	1.0333087	1.048104	1.0332998	0.8911779	0.73441984	1.1271809	0.7316783	0.8594266	0.80972236	0.88240016	0.9937122	1.0826118
nucleoside transporter	4 4470003	4 0724477	0 000004513	0.00018884	0.0057526	O GRASERS	1 021909	0.97054297	0.93396246	1.0108408	1.1382635	1.2346054	1 2057686
Phase-1 RCT-209	1 1536176	1.0565681		1.0199039	0.9310286	0.9901211	_	0.88346847	0.943338	0.89924943	_	0.90103793	0.97710496
NADE Adoptome he reduction	1 0108911	0 0497601	0.81822526	+-	0.76366657	٠-	0.87316227	0.6728621	0.71779734	0.7515808	1.4087878	1.1770525	1.2147553
Dynamin (10100)	1 0598326	0.9682949	1.0967411	+	1.0323993	-	1.034197	0.7403345	0.6832492	0.80224814	1.1063477	1.1622748	1,1727291
Senescence marker profein-30	1.1247984	0.89577544	0.7546618	0.95135415	-	0.777778697	1.0421358	1.1806706	1.3999538	1 1	1.2435108	1.7119398	1.8992468
Phase-1 RCT-89	1.1418126	0.8730109		0.9636989	0.9027262	0.9640189		0.84763914	0.729455	0.8917716	1.2136217	_	1.4303848
Camitine palmitovi-CoA transferase	0.9778433	1.0278171	0.9645384	1.0178812	0.92824537	0.80165124	0.90330803		1.0831331		0.99093115	~	0.74948734
Alaha-2-microclobulin	0.9596789	1.1619008	0.92709804		0.89684665	0.14514181	1.0677327		0.42528132	0.61538886	1.2198275	1.4390337	1.8096183
Analipopratein CIII	0.7847065	1,0563716	0.96748304		1.01234	0.8177691	0.9125352	0.99999994	0.81018484		1,3859916 0.97986734	0.97986734	1,3011009
Cathensin L. seguence 2	0.99603754	1.0514872	0,9972921	1.1091624	1.0340606	1.7347724	1,2793449	0.9436717	1.5763139	0.8969238	0.88160926	1.2463498	12331133
Phase-1 RCT-141	0.6722004	1.1509092			1.1560485	2,3014224	1.1372776		6.1692734		0.9593192	0.762681	0.8912602
Phase-1 RCT-289	1.1866268	1.0324699	1.0728956	0.90391046	0.98521316	1.0134152	1.0429753	0.64858466	0.67115426	_	1.2333317	1.2304983	1.2174426
Endothelin-1	1.1555383	0.963924		0.89630475	0.81365895	1.0900687	0.9897185	1.0333135	1.2067853	0.9909364		_	0.8293772
Phase-1 RCT-282	0.9733658	0.9719218		0.99080684	1.017501	ĸ	0.93964666	1.2425766	0.8325447	1.2434165		-	0.68174195
Dhasa-1 RCT-140	0.9681465	0.9567745		0.92894757	0.8957024	0.90404695	0.8727823	0.93551236	1.0233729	0.93128234	0.8565751	0.85523087	0.90461
Cyclin Dr	0.90124726	0.89899325	1.0319369	1.1836978	1.206082	1.0049803	0.9456693	0.74873865)	0.76894206	0.9385972	1.1360551	1,5293848
Phase-1 RCT-287	0.7827775	1.1131109	0.92462957	0.94379616	0.98322403	0.9008266	_	0.90521175	1.2508953	1.0719463	1.0024188	1.2931416	1.2098676
Phase-1 RCT-281	0.85754496	0.9583422	0.87704676	0.9343561	0.965483	0.94493586	0.88749707	1.1442095	1.0101048	1.0179051	1.3902214	1.4662273	1.1698915
Retinol-binding protein (RBP)	0.7188332	0.8732487	0.79611164	0.81735		0.91125536	_	0.49293017	0.80930895	0.5489981	1.135909	1.5112368	1.7710917
ATP-etimulated glucocorticold-receptor	1,2187892	0.9355674	0.9907191	0.9155144	0.9875775	0.85916495	1.2512126	1.3437233	1.5150018	1.4095875	0.82778525	1.0043539	1.3212838
Dhace 1 RCT-60	0 9681628	0 98628783	0.9574742	0.9610542	1.0850699	1.0889122	0.9495292	1.0776445	1.1897027	0.9335712	1.0055622	0.98275715	0.9893145
Demosts kinges miscale	1 445187	1 0758014	L	0.9781035	1.0551382	1,1523137	1,1012504	0.8956803	0	1,095069	0.847417	0.90974873	0.8056371
DAD interaction omitain	0 01525245	0.9957943		1.0180668	1.0077685	0.9724114	0.9621708	1.04938		0.9698348		0.956818	0.9813302
Nucleoside diphosobate kinase beta isoform	0.90629834	1.0158951	1	0.9448464	0.98050084	1.1630542	1.0625386	1.526713		1.5130631	1.2227219	1.4191723	1.2128245
			1						_1				
Gadd153	1.1022518	0.901045		0.98084676	0.97574216	1.0279391	0.9810714	1.2014396		1.0471916	0.76800066	0.7511739	0.828822
Insulin-like growth factor binding protein 1	0.7408934	1.0325334	1.0386331	1.1922686	1.2286586	1.3332133	1,4302044	1.0328858	1.0168333	0.9434177	0.9549041		1.0955883
c-H-ras	1.0517048	1.0857929	1.0366333		0.95597684	1.3595871	1.0962723	0.82434204	1.1197183	1.0524377	0.92279524	-	0.84668785
N-tydroxy-2-acetylaminofluorene sulfotransferase (ST1C1)	0.8782097	0.971423	1.0283146	1.0129206	0.85303795	0.6969199	1.1277404	0.64578414		0.67898786	0.8737929	1.2095144	1.1840572
Phase-1 RCT-52	1.0074973	1.0132393	0.7427139	0.91573775	0.973811	1.4581005	0.92905873	0.7153036		0.5895132	1.1309578	1.1915534	1.1069556
Alpha 1 - Inhibitor III	0.773895	1.0791608	0.85472155	1.4150712	1.1821705	1.0094987	0.9526491	0.37201855	•	0.5830388	1.1347969	1,514807	1.1658953
Sterol carrier protein 2	0.7572592	1,0532804	0.997309	0.90754837	0.88157004	0.7552564	0.9789012	1.1987628	1.097277	_	1.1692623	1.2216798	1.0921094
Organic anion transporter 3	1.2891245	0.9078735	1.0143822	1.1560697	0.9028798	1.3421004	1,2997395	0.8302399		_	0.79484767	0.99775803	1.1712021
Caloranulin B4	1.0984518	0.8973067	0.78976107	0.7506299	0.85414	0.7565825	0.6741541	1.293367	0.90923584		0.897943	12869326	0.8001259
Phase-1 RCT-182	0.7872985	0.985071	0.9217381	1.0233893	0.9017974	0.9419976	1.0357832	0.48362476	0.48362476 0.78337425		1.2729136	1 287 1236	1.173113
Calgrandin B8	1.0614511	1.2112892	Ц	1.1777785	1.1120715			0.5610461	0.6651959	_	1.2622856	1,3245763	1.2139002
Aldehyde dehydrogenase, microsomal	0.6360473		_	1,0551094	1.1900252	-		0.96037453	_		1.037/300	00/00/00	1.09/(091
Phase-1 RCT-128	0.9805222	9		0.9793593	1.0480365			0.6858925	0.41010805		1.11310/4	00304500	1,030,034
Phase-1 RCT-102	1,9138232			0.74424034	0.9762455			0.40094045	0.40094045 0.38998213	0.37783323	1.1313030	4 E764766	1 6708151
Preproalbumin, sequence 2	0.822/494	익.	_L	0.8757465	0.9808523	0.0451370	0.0040383	0.30013170	0.330 18404		0.0002568	4 4046238	1 2600541
Apolipoprotein All	1.1577264	1.3144972		1.0883654	0.7634002	1.1/1699	1.2922/14	1.4161110	٩	Ľ	1 0218087	1 4008181	1 3975399
Phase-1 RC1-10	0.90960294	1.029455	0.89328235	0.98997833	4 0042744	1.0153304	0.97922117	0.7 109327		0.83187526	1 0383315	1 1059678	1 0457726
Hase-1 KCI-48	131/016	1.100004	1	9709700	4 0477647	0.74404646	9269769	0.40434753		0.52874684	1 3043152	1 5335654	1 6565154
FTBS6-1 KC1-6	0.0000172	0.7800043		0,901,000	13011011	0.01101010	0.000			4			

0.9948443 (_	٠	0.7230025	n 7174807	0 0775040	000000	. 000000	0.608338	0.47018245	0.90946335	1.0466486	21652
	0.85345215	1.0048211			U.01130121	90426433	0.42202884	٠t		00000000	Ļ	000000
-	1.3307033	1.273631	0.9084506	0.5513335	1.4501706		-	_	1.015452	0.5856528 0.585673	4	30001000
98234703	0.9902157	0.7501596	0.9114901 0	0.71358794	1.124458	1.0836494	-	-+	0.38784458		1.4011138	00/00/71
0.8057871	0.9288065	0.7199903	3	0.83021404	_	-	-	-	0.4904737	2 8	1	1 0057734
1.0158128	1.065829	1.038503	\perp	_	┙	-	0.72073215	_	0.74189234	1,000000	0 0606008	279073
78814745	0.6993563	0.98242164 0	_	_	-		0.32305166		0.33444232	0204020	ılα	O OUSERRAG
-	0.94013023	1.0370944	_	_1	1.1732824		0.70663273		0.03/14800	0.0402302	_	1 2455351
88099647	1.1245083	=		<u> </u>	0.90559113	1 2239169	1 0133642	0 7740885		1.4367621	I E	1.8467877
-	1.0282491	1.1416671	1.1235162	_	1	0 0806914	0 721992	_	0.78453285	0.9525221	1.2491119 0	0.96354735
_	_	0.8956168	4-		1_	0.9580197	0.9986082	+	0.9503158	1.1742792	1.2853584	1,2575696
٠,	-	0.836U4403	_		4	0 9966507	0.3891244		0.4689013	ľ	1.5812876	1.232887
	-	0.82042201	_	_	1 2906444	1.151641	0.9850848		0.83796376	1.0008434	1,5630232	1.1905069
4	-	0.037 (2010	1 5280884	1 2917436	╄	_			0.5492607	1.1887506	1.573339	1.235843
1 2045045		1 1669194	0.9802678	1.0179424	┺		1.3055242	0.7416244	1.3059711	1.1632563	5	1.2743127
C100107.1		0 00825266	1 1331205	1.288894	⊨	0.8087182	0.9421668	1.070733	1.0937221	1.1821332	1.3803983	1.3695438
763637		0.8381629	0.9019695	_	-	-	_	0.40094662	0.63959968	1.1740705	1.5940381	1.7494292
_			3,84920377	-	7	$\overline{}$	_	0.39367592	0.5865817	1.2356069	1.7150329	1.0518198
-		_	2	0.99302894	1,2648605	1.047429	_	0.73751175	_1	1.00116	7099363	1,3044502
4 4403444		0.95027804	1.0707767	0,9578135	1.043723	1.075502	_	0.82826114		1.0/13848	1.1339331	10000
4 4340345		1 2450678	0.9189008	0.5740656	1.3832319	1.3353597	1.0200652	0.86052024	1.0662884	0.9787938	0.975172	1.456134
0 853045	A 99971414	1 0078024	١	0.98013645	-	0.94664514	1.048999	0.9623534	0.9924816	1.2980542	1.6480101	1.450947
9847866	0 9450409	0 90301114	_	0.9494096	1.1832627	1.3207452	1.9099588	1.5208948	1.459777	0.9789908	٠ħ	1.4374298
1 2005588	0 9499573	0.9257831	0.9377951	1.0229154	1.104018	0.90257394	1.4163115	1.0893043	1,2443941	0.9762024	al,	0.63/66896
77877064	0 0082155	1 1383021	1.0854201	1,0939046	1,4144182	1.1633782	1,8289889	1,3017555	1.339048	0.93696547	1.12206/3	0.9982034
1 0846046	1 0217621	0.95478284	1.0897404	1.0553825	1.0029658	0.9514167	1.3725313	1,2150381	1.1813891	0.66831493	0.7597263	0.78706574
0.8857345	1.0592668	0.8739144	0.967928	0.9895011	1.5887918	0.9695284	0.33988202	0.41542706	익	1.532878	1.5866357	1.17.093.08
1.0642984	1.1340121	1.0690392	1.1180123	1.1601406	1.1836747	1.1059954	1,3598783	1,2013805		0.9351424	1.126036	*ie/ocr
				00000	1,0100	4 00023	4 4086311	1 2853568	┸		0.85049486	0.8730463
1.0264267	1.047096	1.0404276	0.9925371	1.0003783	1,069377	4 004882	2 3184885	2 6711468	┸	-	1.1902138	1.1333333
1.153363	1.0530064	-	1.09284		1	0.05624327	1 0447882	1 4613562	1_	0.791741	0.77054375	0.7202084
92363375	1.0265619		0.94813120			1 0116875	0 96478665	1.0208223	12	1.0938792	1,2392317	1.1898838
1.1499323	0.9503963	_	4 0224708	1 0816708	1 0224284	0 9351869	1.3843862	1.5579362	-	0.8586254	_	0.8179451
1.1285464	4 049 4657	1.0409043	1 0571424	1 0268337	1 1449567	1.0227466	1,3204888	1,2331531	1,289895	1.075326	-	0.96961725
1.02004	0 94279015	0 941774	0.9704472	1.0204779	0.9648071	1.0112265	1.7164048	1.261226	1.1170584	0.8623753	0.88679093	1.0365078
0.000334	0 97406006	0.9603548	0.908594	0.93257433	0.98853153	0.8851688	1.0622364	1.027117	1,0319928	1.0698799	0.85842365	0.856757
4 4247324	0.0523377	-	0.96109957	1.0099264	0.8937842	0.8805682	1.3280482	1.3968937	1.1458852	0.9161487	0.8297508	0.804252
3 96516263	0.9747883	-	1.0958884	0.929473	1.1858555	1.1440717	0.90681905	0.87231225	4	0.7986691	0.6334997	0.7394322
0.8813755	1.0164001	1.0374818	1.1216313	1.0327415	1,2045397	1,0906062	1.7045815	1.4198943	4	1.317/197	1.0902787	1 2544535
1.057748	0.986749	1.0644748	1.0530075	1.2076026	1.4087831	1.2567679	1.5797632	1.45/4202	1		0.85149958	0.8928095
1.03294	1.0480275	1.0855068	1.0620606	1.1066718	1.1448454	1.052/028	4 2524025	0.03000	1	1_	0.81486446	0.985646
0.9793644	0.9438506	1.003461	1.075561	1.0368315	0.94558656	0.970250	0.8975478	1	+-	_	1,5091268	1,3984262
0.910445	0.9537863	0.9462809	1.0517476	1.021/646	0.0433201	0.3002840	2 5583145	1	+	1	0.7552453	0.8219338
0.65401804	_	0.8893434	0.79821785	_!^	0.83301840	0.88344437	1 4915233	┺	L	0	0.80515224	0.78553075
0.94594383	4	<u>`</u>	O DOCECOO		1 3225014	1 1353934	0.9819822	1.8035484	Ļ.	1,0675004	1.224928	1.0721238
0.88066053	1.0499236		4 0447307	0.90220013	1 0480026	1 0035751	1,2591363	1.425668	1.2713425	6008866.0	0.76959866	0.7648709
1.023/92/	4 230507	1 0986362	1.2656351	1.2319297	1,195606	1,1187153	0.7539994	1.0056387	Н	Ш	1.4511855	1.097112
0 8750968B	1 1214033	1.0957489	0.9149304	0.8767978	0.95694476	1.1083627	1,2298504	1.4817644			1.1483281	1.0310/13
0.8465738	10	1.0856688	0.83262014	0.97534186	1.1417308	1.0683627	0.91852856	1.424878	0.8177196	0.7654111	0.74720524	0 724472
1.3415717		0.97366524	1.095561	1.060935	1.0942605	1.0808917	1.2346168	1.4650202	0.9154282	0.62338340	4 205203	4 2003885
0.9146678	1.0686759	1.0376713	0.9657999	1.0929132	_	1.1612668	1.8280458	2.3264600	1,7165195	0.7828502	700714007	0 6832535
1.099171	0.9987163	1.1000473	1.0170418	1.0813669		0.98833424	1,1433805	4 9624604	1 046111	1 1182456	1319775	1.2635435
1.090198	1.03229	1.1243688	1.0318047	1.1826358	1.3653173	1.1405642	4 2700122	0.96749804	1 208458	1 1229975	0.9647601	1,0901587
0.8990399	_	4	0.95887333	1.0123712	0.9200300	0.000100	0 832R071	1 190974	0.8946489	1.3589588	0.9423752	1.4535501
0.77263206	-1	_	TOTERNO.	1.1441445	0,00451241	0.0020020						
	0.076976556 0.07769733 0.07769733 0.07698602447 0.05160167	0.98398064 0.9839217 0.93562217 0.93562217 0.93562217 0.93562217 0.93529111340123 0.99971414 0.9499573 0.99971414 0.9499573 0.99971414 0.9499573 0.99971414 0.9499573 0.99971414 0.9499573 0.99971414 0.9499573 0.986999 0.9499573 0.9867999 0.9877996 0.9877896 0.9877896	0.9893217 0.889428181 0.9893217 0.8894284 1.1017607 1.1689184 1.1017607 1.1689184 1.1017607 1.1689184 1.1017607 1.1689184 1.1017607 1.1689184 1.1017607 1.1689184 1.1017607 1.1689182 1.1028975 0.98282858 1.0282861 0.91703985 1.0282861 0.91703985 1.0282861 0.91703985 1.0282861 0.91703985 1.0282861 0.91739144 1.134012 1.0890284 0.989573 0.9845811 0.9873863 0.941744 0.9873863 0.94174 0.9873863 0.94174 0.9873863 0.94174 0.9873863 0.9417481 0.9873863 0.941781 0.9873863 0.941781 0.987781781 0.989384 1.123697 1.0055988 1.0498787 0.98837887 0.9887787 0.9893788 0.9887787 0.98837887 0.9887787 0.9883787 0.9887787 0.9883787 0.9887787 0.98837881	0.88328026 0.8836181 1.1672271 0.880604465 0.70847021 0.86362247 0.88647224 1.2520024 1.1073627	0.883898084 0.885818684 0.885818684 0.885818684 0.885818684 0.885818684 0.885818684 0.88581828 0.1517022 0.28580828 0.151702 0.28580828 0.151702 0.28580828 0.151702 0.28580828 0.151702	0.88398064 0.88556165 1.1324024 1.1324084 0.9198080 0.8932717 0.89692717 0.896926000 0.1897021 0.29260044 1.0134080 0.8981712716 0.1017924 1.01056470 1.0134080 0.8981712710 0.8969280 1.0103661 0.8969271 1.0107007 1.168184 0.8012626 1.1311202 1.10056470 1.007007 1.168184 0.8012626 1.1311202 1.131202 0.8017207 0.8012626 1.1311202 1.131202 1.131202 0.8017207 0.8012626 1.1311202 1.131202 1.131202 0.8017201 0.8017201 0.8017004 1.131202 1.131202 0.8017201 0.8017201 0.8017004 1.131200 1.131200 0.8017201 0.801700 0.801700 0.10170770 1.104100 1.104100 0.8017201 0.801700 0.10170770 0.1017070 1.104100 1.104100 0.801700 0.801700 0.10170770 1.104100 1.104100 1.104100	0.88398064 0.8836168 1.1324082 0.28360140 0.8836170 0.9833217 0.88547287 0.812702 0.92083260 0.23600446 1.51641 0.9833217 0.88547287 0.812702 0.92083683 0.9118621 0.9066507 0.983317 0.88547287 0.812702 0.9208368 0.9118621 1.51641 1.0133232 0.88347287 0.8935286 1.731802 0.7560944 1.715141 1.021323 0.98347287 0.9831628 0.9119685 1.331802 0.010718 1.023373 0.8837730 0.8836083 0.714441 0.74472 1.7166094 1.023475 0.9301714 0.93020174 0.740460 0.74472 1.7466094 1.7466094 0.05977414 0.93020174 0.740600 0.746600 0.746600 1.74660 1.746600 0.05977414 0.93020174 0.887720 0.885774 1.104686 0.883230 1.746600 0.0597741 0.93020174 0.8867720 0.885774 1.106000 1.746600 1.746600	0.83939004 0.8956181 1.167201 1.138481 0.16739886 0.8839814 0.1271802 0.25992217 0.6250446 0.147172 0.25009286 0.2500444 1.1516141 0.850044 1.15160478 0.2500444 1.15160478 0.2500444 1.15160478 0.2500444 1.15160478 0.2500444 1.15160478 0.2500444 1.15160478 0.2500444 1.15160478 0.2500444 1.15160478 0.2500444 1.15160478 0.2500444 1.15160478 0.2500444 1.15160478 0.2500444 1.15160478 0.2500444 1.15160478 0.2500444 1.15160478 0.2500444 1.15160478 0.2500444 1.15160478 0.2500444 0.2500448 0.2500448 0.2500448 0.2500448 0.2500448 0.2500448 0.2500448 0.2500448 0.2500448 0.2500448 0.2500448 0.2500448 0.2500448 0.2500448 0.2500448 0.2500448 0.2500448 0.2500448 0.2500448	0.8399204 0.1003926 1.1003926 0.0840726 1.02240145 0.0540107 0.0540107 0.0540206 0.200396 0.0840207 0.2840207 0.2840207 0.2840204 0.02240145 0.0224014 0.022	0.08392201 0.08266180 1.1072021 1.1384040 0.102260180 0.08360180 0.08360180 0.08360180 0.020260 0.0202	0.8880271 0.02800468 0.07547721 0.1384681 0.025601461 0.03808141 0.0280220 0.0350136 0.035013	0.0899211 0.0890246 0.1947221 0.2200634 0.116427 1.120044 0.1200612 0.241744 0.1517020 0.151202 0.102024 1.120022 1.120024 0.1200

									100	INDUSTRIES OF SOLVED OF SOUTH OF STREET	260011000		0 7822967
Disco 4 DCT 458	1.0069567	0.9980496	0.9980496 0.98507273	0.9558102	0.9558102 0.93113855 0.97255653	0.97255653	0.9882613	1.0711039	1.3011131	420 POSC 4	0.0230084 0.0200004		0.8620102
Disco 4 DCT 143	0.8186791	0.8186791 0.96035874	0.9035147	0.9654516	0.9891713	0.9891713 0.97868633 0.92830145	0.92830145	1,397,963	1.397983 1.615/112	1.320/303	0.2120001	0 7465068 0 70734405	0 02015183
Endogenous retroviral sequence, 5 and 3'	1.1070669	0.9789911	1.1128079	1.1103172	0.8919403	0.8919403 0.53027105	1.2154467	1.4978466	0.7855484	0.802087	2004/70	2010	
LTR			_ \	, , ,	1	000000	4 0000507	4 8834446	161845	1 6085951 0.7375403	0.7375403	0.9083423 0.72498788	0.72498788
Beta-actin	0.72711504	1.261218		1.3523881	1.4099844	1.2310380	1.0002337		1 0545754 0 9887072	0 9887072	0.7888141	0.6928104	0.8345931
Phase-1 RCT-65	1.3860147	1.0607959	. 1	1.1916884	1.24/2/43	1.0737041	4 4057000	4 264 5842	1 6303443	1 2233827	0.8309881	0.8013304 0.66481847	0.66481847
MHC class I antigen RT1.A1(f) alpha-chain	1.2248117	1.0487486	_1	1.123859	1.1466264	4 0403637	1.1057000	0.858.1607	1 7328737	0.7996875	0.98002386	0.7996875 0.98002386 0.93821704 0.72665083	0.72665083
Bax (alpha)		-1	0.9538658	1.0041071	C801210.1	1,0463027	0.000000	4 7758403	1 1930655	,-	0.8673934	0.8795255	0.7894532
Carbonyl reductase	1.080439	0.9830242	0.9830242 0.96168107	0.9803397	0.60003103	0.86683103 0.97837463 0.6639133	0.0009100	2 6385015	1 8377214		1,0022544	1.1852049	1.0062885
Bata-actin, sequence 2	0.9796927	1.05739	1.05739 1.0134748 1.0853146	1.0853146	- 1		-1	O 0420081 0 00418116	1 892138		0.85183823		0.74316573
Interleukin-10	1.1594772	0.82338434		0.92874706	٦	4 4466663	4 4674267	0 8085956	1.2911688 0.9005617	0.9005617	0.916745	0.80753434	0.8237102
Phase-1 RCT-191	1.1965928	1.1272738	1.15//923	1.1821475	1,100199	4 0020204	4 0000004 0 04705045 4 0543318 0 92628413	1 254331B	0 92828413	1.1221398	1.0907009	1.0840389	1.1461548
Phase-1 RCT-111	0.89211863	- 1	- 1	0.99806225	1.0582118	1.0020301	0.51705245	4 0168987	4 0 168967 O 89980257	1	0.9508884	1.2212721	1.1711509
Apoptosis-regulating basic protein	0.87599856	1.0212851		0.9301628 0.81223226		4 201000	8068700	0.01010 0.010100 0.01010500	0.483344	1	1,5826957	2.0725958	1.347449
Glutathione peroxidase	1.0575132	1.0575132 0.94334775	- 1			1.20/0233	4 472454	A 7300B725	0 91081566		0.9150288	0.8795312	0.9927617
Phase-1 RCT-239	1.0390319	1.0390319 1.0439553		1.2281624		1.1204583 0.858/5504	-17	0.80250815	0 8719061 0 80250815 0 9677724		0,8743017 0.91726846 0.69480604	0.69480604	0.8509328
Phase-1 RCT-67	1.0224406		1		0.94803390	0.03527010	1	4 0446446 4 2504582	1 104399		1.0806726	1.1172287	1.03131
Tryotophan hydroxylase	0.9604351		0.997735	0.9230387	0.9230387 0.90501124	- 1	4 0000	0.4453344	0 42034262	, –		0.7885713 0.85936683	1,3075212
Sulfotransferase K2	1.2830923	٠,	-1	0.92346378	0.6/93456/	- 1	1.000017	0.8473874	0.8774594	0 8472874 0 8774594 0 83701063		1,0567874 0.8290034	0.86531475
Calcrandin B9	1.0069469	1.0744166		1.09247	1.09247 1.0712606	- 1	0.30000	0.900000	O 7887707	A 952230A	0 9629836	0 0522304 0 9629836 0 69934726	0.8977193
Phase-1 RCT-123	1,0657519	1,0657519 0.99640083	- 6	0.88120115		L	0.9303434	0.7240524		0 7599676	0.9460847	1.1078945	0.9908966
Phase-1 RCT-98	1.1870042	1.1870042 0.98588586	1	1,0007564 0.9343267	1.011876	0.865///5		0.7370367	0 98145854	0.83294/4 0./310331 0.9425133 0.86998504	1_	0.897363 0.68524754	0.77075803
Aguaportn-3 (ACP3)	1.0490684	1.0490884 0.99271137	Į	0.92840874	٥Ĺ	0.86933433	ㅗ	0.00101000	0.8308305 0.01013301 0.05174578	0.2249203	L	1.3994963	0.4242189
Steary-CoA desaturase, liver	0.39296386	- 1	"	0.6518476	1.894691	1		0 R2R0067	0 7236261	0.7335034	1,019526	1.019526 0.83589655	0.71806085
Phase-1 RCT-64	0.92618066	1,0138766	1	0,95526135	0.979646 0.95526135 0.96639115	Ι.,	1						
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of													_
treatment/control for all 24 hour predictive													
genes (Table 5).													
(2) Compound and dose abbreviations as m Table 4													
(3) Individual animal number													
(4) Liver inflammation classification for			_				_						
compound-dose group at 72 ht yes-nect,	_	_											
necrosis observed; yes-both, necrosis with													
inflammation observed, no, no insupermosty	<u>.</u>												
((5) Predictive gene (as in Table 5 and as													
Included in Table 26)													

Table 29. Expression Data for 24 Hour Timepoint (1)													
	3, 3, 5	0,00	T	ANIT CO	ANITED	ANITEO	900 300	888 200	BRB 200	BRB 800	BRB 800	BRB 800	CL4 1000
Compound-Dose (2)	115 10	CIS 10	88	1854	655	929	2	X	8	2334	2335	336	2054
Animal Number (3) Liver Toxicity Inflammation Classification (4)	OLL	QJ	2	yes-both	yes-both			_	yes-both	yes-both	yes-bath	yes-both y	yes-both
Gene Name (5)								, , , ,	10,000	0.707020	20000000	0 2072024	2 0588161
Gamma-actin, cytoplasmic	0.82724625		0.67952347	2,8152604	2.7905335	2.783659	6.3413463	1 4405783	2 2240503	7 7501855	\perp	1 8462274	1.7634618
Phase-1 RCT-145		1.0810103	1 0803675	7.417/402	1.32307	1.3/3049	3 0154873	3 8154873 0.94270796	32177715	3.1520169	4.261273	2.9653523	2.030087
Gadd45	1.319408	0.80461675	L	0 69513208	0.8470088	0.7892923	0.63516	0.7712085	0.5321541	0.5752027	0.69219035	_	0.55781156
Phase-1 rc1-78	0.00138140	1 0026166	L	1 2441623	1.2812631	1.122157	ų,	0.91421396	1.1204231	1.1380218	0.9398895	1.0850316	2.1579413
Macmobane inflammatory omieln-2 aintra	4.758492	1.797691	2.1660028	2.5375724	2.5458278	2,2808068	2.0151096	1.2480948	4.625348	1.2691608	1.2484365	1.1192974	3.227502
Indean beta	0.9165761	0	0.8958817	1.7162081	2.1971838	1.8082483	1.4571774	0.9084934	1.4271086	1,3365039	1.3892285	1.0067935	3.9932542
Phase-1 RCT-207	1.7326708	1.7344229	1.5880327	1.681586	1.3995581	1.3459651	2.037197	1.0707659	3.252716	3.8252067	4	2,4641056	2.085857
Asparlate aminotransferase, mitochondrial	0.678668	i I		0.855814	0.8853435	0.8680167	0.8782228	0.8782228 0.92464757	0.6794928	0.68199/5	0.70681935	0.003777000	1 0108777
Casein-alpha	1,5185848		0.829141	0.921519	0.9614836	_	0.7309603	0.7436712	0.89369994	0.68579303	1	1 0373375	0 93841606
Malic enzyme	1.1466739	- 1	익	0.7590175	0.98380524	_	0.7103/200	0.020014	4 0000058	0.9033318		1.0144569	0.9112697
Phase-1 RCT-30	1.1383116	٦	1.1108592	4.426.4927	1 2247077	1 2/25/11		0.77471167	0 902446	0.8769579	L	1,021884	1.060641
Hepatocyte growth factor receptor	1.3363113	1.134003	1	4 0744748	1 1940694			1,1657861	1,0921427	1.1160479	1,319989	1.2237319	1.5831045
MAP Kinase Kinase	1.0746280	1	4	0.67929983		0.649501	1.1770885	1,1405883	1.0597756	0.94781333	Ш	0.8062069	1.1837766
Sodium/gucose corrensporter i	0.44558394	1	4.	0.5182551	\perp	1.2296733	1.3520467	1.4277927	1.5294025	0.5682016	Ц	1.8341143	0.69558406
Phase-1 ACI-2/	1.3135983		ļ.	1,5586743		2.7353585	1,8690739	0.8449889	3.9277573	2,437746	\perp	1.7603701	1.7924391
Phase-1 RCT-192	1.1504003	-	1	1.1743883		1.0033683	1.3094614	1.2500607	1.596408	1.830081	4	1.453505	2,7666936
Phase-1 RCT-288	0.57971938		L.	0.40367845	-	0.45742106	0,3955931	1.013478	0.36011812	0.35105264	្ន	0.40384614	0.4221105
Phase-1 RCT-37	1.1972648	1.0284132	1.0003376	1.0136738	ш	1.069543	1.1191857	0.9672426	1,2238449	1.5688986	1	1.2856841	2.236208
Organic cation transporter 3	0.96289814		긔	1.3428649	- 1	1.3100312	1.2409198	0.8546853	1.3548101	7.6566843	2 4775542	4 6857865	2 9744966
60S ribosomal protein L6	0.9732808	1		1.3241475	-	1.3815914	2.092/62	1.0283003	4 720396	3 93548	L	2 07 59 542	1.6967394
Zinc finger protein	0.9822273	1.1447985	1.084/522	0 78372014	0.8935026	0.887815	0.9378637	1.0215933	0.9563231	1.2215098	L		2.2606952
Calgranum 82	1.00283		┸	18451518		1,7284768	1,899624	1.2480067	1.7147872	1,4837141	Ц	1.493505	1.7147999
Dhass 4 DCT 02	0.73558768	1	Ľ	0.46910748	┸	0.5628777	0.5270688	1.0341121	0.48971674	0.47608963	Ц		0.30086383
Phase-1 RCT-115	1,4457904	1	0,92141503	1,3287889	Ш	1.1894624	0.8159624	0.7175129	0.9709338	1.179287	_	1.1670513	2151158
Matrin F/G	1.2457743	ll	뎩	٩	_	-1	0.65455997	0.8986663	- 1	4.047034	1080080	4 0046205	4 49365RS
Mutt. homologue (MLH1)	1,3327518		1.4195013		_	1.0201291	0.8951369	4 0003320	1.9246321	1.04/851	\perp	1 2744336	1.7440903
Phase-1 RCT-79	1.016026	- 1	٧.	┙	1.1180363	1.13//38/	4 00934410	4 4680330	ľ	1 5468919	L	1,5085807	1.9936088
Sorbitol dehydrogenase	1.412227	1.4245063	1.11/432/	4 2606356	4		1 9458537	1,4901353	┸	2.4425614	L	2,3283994	2,9543788
Phase-1 RCI-24	1 018148	ı	ፗ	L	_	1.1949037	0.97388988	1.0632242		1.2659063			1.1501548
Flooration factor 1 alpha	0.8224855		_	L		0.84095335 0.93035835	2.0641768	1.7279829	1.7999846	\Box	_	_	2.9945145
L-ordono-gamma-factone oxidase	0.39338544	1	0.5067522	0.31798154	0.3028709	0.47529775	0.2873403	0.72025126		4	4	0.35245144	0.26/33662
Phase-1 RCT-33	0.55566293	3 0.59996134	익	_			9	٦,	_	4 6405677	4 7082779	T	2 5113218
c-jun	1,932988	- 1	-1	4			1.81839	Ţ	0.241/433	AZ0Z077	1	0 7024854	0.37081766
Phase-1 RCT-233	0.8012966	- [1.3382627	4	0.47808117	0.42352266	0.7440132	0.70816504	5	L	Ľ	L	0,63819146
Phase-1 RCT-36	0.873811	1		2 4078826		2 0941517	0.93741196			<u> </u>	ᆫ	L	2,2257814
Phase-1 RCT-242	1.645880	7 0 0440605	0.9312/030	0.8846125	4-	0.8490373	0.89324194		_	ē	Ĺ	L	0.5870315
Prase-1 RC1-181	0.81430007	1	4	0.566964	ㅗ	0.60190886	1,0430269	1.2157815	╌	Н	Ľ		0.32937723
Dhase 1 OCT 170	0 7389567	1	┸	Ľ	۱۳		2.877741	1.5803219	3.243633	3.810576	ě	2.7567697	3.016563
Phase-1 RCT-144	0,8556293	0.9	Ľ		1.2501448	1.1867278	3.0254192	0.9767266		┙		2.1063964	2.627093
IKB-a	0.8647373	П	_	1.2784944	Ц	1,1590693	2.5236042	1.2421546	4	2.0875418	┙	1.739983	5.77724
Phase-1 RCT-225	1,190386		9	╛	$_{\perp}$	1.3423305	3.0578728	1.4904069	5.0766406	\perp	2 20/13300		2 881203
60S ribosomal protein L6 (alternate clone 1)	1.2395573	3 1.0734788	3 1.0681065	1.2078929	1.0232292	1.2686127	2,964,2246	214093					
Retahihilin class I	0.828604	4 0.8217132	1,1047298	Ĺ	_	1.1703591	2.6675942		Ш	7		- 1	4.3570747
Multidrup resistant protein-2	2.9246273	1	1_1	4.008009	3.4536848	3.757892	1.8614948	1.2608433	1.8586137	1,391584	1.5416601	1.4478839	3.4459185
			1										

Phase-1 RCT-49	1.1182084	0.9792716	0.8867833	0.97245187	1.035773	-	1 5863192	0.7475788	2 3540325	2.4779747	2.0622022	1.6578346	2.4883013
Calgranulin B3	1.1003022	1.1370479	0.8928941	1.50194	_	1.2331116	1.467437	1.0596248	1.3876842	2.020875	2.3159952	1.6054727	1.98844
NADP-dependent isocitrate dehydrogenase,	0.7524885	0.78037595	1,207702.1	0.53553915	0.5181257	0.59741026	0.90045047	1.2544773	0.74175125	0.99455893	0.8947122	1.0610213	0.46104473
Octamer blading protein 1	1 3134217	0 9211289	1 4562215	0.68122375	0 60714346	0.6210288	1 0400398	1 1157578	0 9110798	0.87717724	0.99049145	1.0849467	0.68905973
Sodium/bile acid corransporter	0.47047058	0.55905944	1.4424578		0.50584453	0.504769	0.3977225	_	0.51537305	0.47542214	0.4255522	_	0.28790095
Phase-1 RCT-174	0.9664532		1.3671135	-	0.77860254	0.7639064	0.8841745		1.3206568	0.97360873	0.90232736	-	0.7262499
Phase-1 RCT-77	0.8301803	1.0917418	1.707966	0.6251808 0.63231564	0.63231564	0.706646	1.5235044	1.6425251	1.0906007	1.2529829	0.9889294	0.8959043	0.5588437
Inositol polyphosphate multikinase (Ipmk)4	0.55931497	0.63649786	1.3715794	0.32751185	0.43681988	0.52328914	0.8030628	1.0725478	0.4349538	0.35483157	0.4988933	0.35529378	0.20870742
Confiberdian photographic properties	0.7262420	١٩		0.4056999	0.30034663	0.0427040	0.3038282		0.3261.025.0	0.37323330	0.4873966		0.03024123
Equipmente nuobenzyunoutsine-sensuve rudeoside transporter	0.12021.0				0607697C'0	0.43334824	0.03103014	1,0845241	0.3285039	anconto.u	0.407.3000		131350467
CDK102	0.8621907	0.8295951	1.1030744	0.6858315		0.78346314 0.92130446	0.92130446	1.2718744	0.8815408	0.9684693	0.97562865	0.95824105	0.8625149
Phase-1 RCT-209	1.2067533	1 1	1.185327	0.7443172	_	0.7546657	0.7944577	0.73994416	0.8111028	0.7067985	0.7050434	_	0.61159617
NADH-cytochrome b5 reductase	0.5626566	ٵ	1.082288	0.59726113	0.56891495	0.58766425	0.8547643		0.6534823	0.9214932	0.79215777	_	0.5210772
Dynamin-1 (D100)	0.8961323	- 1	1.1988286		_	0.46753195	_		0.82262975	0.72662586	0.72377473	_	0.43726826
Senescence marker protein-30	0.35119078	٧.	ч.		0.52595073	_	_		0.17860238	0.1397427	0.16460176	_	0.20571941
Prizate admitted Cot transference	0.5203279	2 404 204 4	0.99861/8	1.64305Z/	0.6245479	4 5707077	4 0066745	1.1624697	4 0040454	4 4555985	4 4240726	4 3564436	0.4605808
Alpha-2-micmolobudia	0 5910115	١٩		_			1 0434804	_	0 52861	0 50205978	0.8530102		0 1000774B
Apolipoprotein Cili	1.0711987						0.85676235		0.70066094	0.743617	0.6846948	-	0.383803
Cathepsin L, sequence 2	1.4807463	ł .	L	1.7213274	1,6381568	2.283068	2.8960137		2,3439903	3.4436734	2,803804	1.9413538	4.7669608
Phase-1 RCT-141	1.9543427	1 1		23369281	2.9470577	3.0634582	1.7803478	1.0156728	1,4793526	1.102306	0.95750386	0.8017688	1.2314063
Phase-1 RCT-289	0.5395202		1.1524754	0.7675606	0.57144773		0.69220674	1.0586982	0.5900754	0.70885414	0.7281247	0.7573724	0.5913611
Endothelin-1	1.5004412	- [1.2859685	1.0692064	_		0.89709467	1.0019877	0.9525998	0.90931328		0.7728649
Phase-1 RCI-282	1.1135864			0.9470797	1.009986	-	-	0.78566413	1.0253268	1.0632458	1.2452167	1.0339762	0.93394643
Priase-1 roll-140	1.1109050	1.0511590	0.64402397	1.112/666	1.12428/6	1.011963	-	0.890233	0.691/611	0 754000	CO180808.0	1.0024233	1.0392525
Phase-1 RCT-287	1 174107	1.1777421	1 0090078	16	1-	0.87797177	0.8528080	1 1715782	0.7532835	0.02516243	0.90963614	-1-	0.04924146
Phase-1 RCT-281	0.75021195	0.89730567	0.89213085	_	-	0.75114787	1,2062211	1.230714	1,0865341	1.0504535	1.0638791	+	0.91731733
Retinol-binding protein (RBP)	0.8089546		1,593229	88	-	0.7132884	1.878798	1.6498935	1.1124187	1.5430404	1.3339612	1.18313	0.4141254
ATP-stimulated glucocorticold-receptor	0.81435657	1,0149196	0.89836055	0.37233856	0.50895286	0.4642629	0.5450825	0.9718805	0.613031	0.67895246	0.8218783	0.7028068	0.6404624
Phase-1 RCT-60	0.8640484	0.888075	0.77254635	1.6288269	1.8332595	2.0561283	1.4598786	1.008503	2.05471	2.4060385	2.0210497	1.6777257	2.0340014
Pyruvate kinase, muscle	1.0308839	١	1.0635122	1.5084109	1.4707555	1.4259942	1.8136168	1.1696442	1.7775879	0.894228	1.0612112	0.9770695	3.636856
PAR Interacting protein	0.9423729	0		1.3840002	1.2157574	1.1198193	2.294099	1,2070475	2.9862342	3.5541978	2.9899216	2,3397791	1.735508
Nucleoside diphosphate kinase beta isoform	1.252327	1.139818	1.7035264	1.0977099	1.248496	1.2140932	1.8620404	1.5043029	1.5406747	1.5954394	1.4057313	1.1744483	3.0686514
Gadd 153	1,4060813	П	1.5081396	0.9947393	1.3535042	1.0169462	3.3716147	1.5049493	2.2389214	2.0062053	2,3236132	1,4319441	3.5861967
Insulin-like growth factor binding protein 1	0.7644331	-	1.32067	1,8059268		2.4912002	6.49358	1,353118	3.855229	2,3378346	2.3525052	1.0197916	2.908188
c-H-ras	1.1560878	١		_	1.3348665	1.3179317	1.3103396		1.3093609	1.2833016	1.242251		1.633201
N-hydroxy-2-acetylaminofluorene sulfotransferase (ST1C1)	0.21446459	0.4633918	0.90073943		0.50632894 0.38339978	0.38339978	0.2617291	0.9447864	0.19364727	0.24691275	0.3123144	0.1862634	0.19158725
Phase-1 RCT-52	0.25966948	ا۲ا		0.63874376	0.7993692	0.8194473	0.46798185	0.87968206	0.29879257	0.27040997	0.3073086	0.31013358	0.5197132
Alpha 1 - Inhibitor III	0.4164851	- 1	0.70792437	0.41671333	0.3635373	_	_	-+	0.35475832	0.47378162	0.41407678		0.22211233
Sterol carrier protein 2	0.74162906	- 1	1.345388	_		_	0.62657994		0.53975356	0.5630988	0.76071554	0.7183671	0.5257231
Organic anion transporter 3	0.6531905	- 1	0.830/495	-	-	_	0.5568534	_	0.6551391	0.007.007.0	0.5733031	0.5/61443	0.6055328
Cargranum be	0.43492/32	- 1	0.9092236	0.0790302		Trence.u	0.41914363	_	0.3633463	0.3340270	0.40/2013		0.3832909
Prizze-1 KC I-162	0.75379854	0.77545906	1.0924189	0.552125/5	0.62/2612	0.55/98453 1.3480315	1.3480315	1.3008315	0.06755044	0.5041409	0.30002676	0.05/2339	0.35978553
Aldehyde dehydrogenase, microsomal	0.9708295	1	0.7675256	0.9066032		0.9248651 0.60927826	0.60927826	1.0701761 0.46195292	0.46195292	0.7377977	0.721162		0.5509729
Phase-1 RCT-128	0.6201788	Н	1,6249751	_	_	0.33822632	0.8250382	1.3068181	0,5385185	0.5684197	0.5639549		0.30946514
Phase-1 RCT-102	0.24622618	ا۲ا	0.6141785	0.30324045	_		0.48607826 0.74130917	0.74130917	0.36458078	0.30518886	0.45720795		0.32243782
Preproalburnin, sequence 2	0.56628174	- 1		0.56490517	-		0.9973644	1.1696702	0.6500595	0.4842791	0.63104268	0.49549216	0.3077183
Apolipoprotein All	0.27780518	- !	0.70916295	1,1609181	-		0.32279322	0.6915203	0.27525848	0.26837498	0.32505155	_	0.23996735
Phase-1 PCT 48	0.71003337	0.67033323	1.2009134	0.7 103 1137	0.7416044	0.78327020	0.9203321	1.23/2/2	0.50000561	0.3763014	0.6320510	0.57.055245	0.4317042
Phase-1 RCT-8	0 6092162	0 5473299	1 1130717	-	0.53691375	0.686804	1 0729198	+-	0.88579876	0.5570644	0.6624857		0.31238267
				_	2,0000101	2,00000	101104101	121100000	0,000	200	VIOLET 1851	-	100

			-	002770000	100000000	12000000	0.0000000	A 200 EEE	0.55649076	0.647794046	0 73338603	0.75185984	0.4996205
Phase-1 RCT-168	0.68942803	0.61384875	4 4 90 90 47	0.83854526	0.95003650	1 0364408	0.0020872		0.8397243	0.6534348	0.8179628	0.69490457	0.36250985
Phase-1 RCI-88	1.122/38/	1.00000	1.1030217	0.7371328	0 7242654	6 5721901	0 40353712	1 1047875	0.87532797	0.30562803	0.3473381	_	0.44667837
Bera-alanine symmase	0.0000000	0.792900	0 34087506	0 1922687	+=	0 24916413	0.33678442	0.689222	0.27071857	0.38387388	9433	_	0.22784016
Present RCI-230	0.127679	0.2762675	1.318189	0.087353155	0.2614988	0.10952242 0.19910686	_	0.73462397	0.06721065	-	0.042923965		0.05255647
Dhaca-1 RCT-201	0.93523055	0.9680121	1.1965643	0.4497288	_	0.49651492		1.1988659	0.6860547	0.6663093	0.7459604		0.656074
Carbonic anhydrase III, seguence 2	0.5909986	1.1000228	1.6845252	-	0.41188198	0.87846345	0.6212821	-	0.8847644	0.4135174	0.8756481	_	0.22898112
Phase-1 RCT-271	0.6425568	0,44631323	1,1051268	0.81027616		0.46295536	0.5824906	0.9650761	0.52788246	0,58891535	0.6220582		0.9138132
HMG-CoA synthase, mitochondrial	2.339676	1.8755136	0.733267	0.90491885	_	0.74579227		_	0.4051631	0.66024977	0.70561206		0.24860075
Phase-1 RCT-189	0.800868	0.7702052	1.0880882			_	-	0.97497004	0.55197877	0.3470025	0.5071723	0.420000	0.01710044
Phase-1 RCT-40	0.5244213	0.7598361	1.1957912		-		0.59641576		0.5236916	0.42202373	0.49313323		0.783084
Urinary protein 2 precursor	0.459627	0.6261172	2.144783		0.52695024		_	_	0.2022200	0.20/8/212	0.4119410	-	0 24040412
Paraoxonase 1	0.4450429	0.5490457	1.2321923	-		-		0.86596376	0.2130033	0.53221040	0.3035708		0 2885592
Liver fatty acid binding protein	0.2922781	0.30979612	0.74774826	0.4865508	_	_	-	0.03032130	0.2431244	0.4666128	0.4047977	-	0 2488283
Preseniir-1	0.41509038	0.3/256005	0.7263767	0.43922102	0.404010	2704040	0.2041431	+-	0.0001000	0.47067685	0.40738777	_	0.58712083
Phase-1 RCT-38	0.8243151	0.61808907	1.1063186	0.43845156			0.21012/0	-	O ADERBOE	0 44593606	0.47775045	_	0 60004524
Phase-1 RCT-270	0.7395225	0.6294899	0.84833825	0.4151418	-		0.33138484	٠.	0.91400074	0.1132224	0 3088705	_	0 18904375
Transthyretin	0.5614568	0.5726632	1.2968193	0.26057532			0.51795484	1/00/00/0	0.32100974	0.6163664	0.4418015	_	0.29031652
Hepatic lipase	0.27996135	0.40966988	0.7395916	0.4280441	٠.	1	4 0042500		4 0641774	0.45549009	0 9741457		0.25271136
Cytochrome P450 11A1	0.87542194	0.6473064	1.2280852	0.66910726			1.0213030	1 0088975	0 54068315	0 55169636	0.80273548	_	0.5559436
Phase-1 RCT-175	0.7987037	0.8432572	1.3/0651	U.63694280	- 1-	-	0.70200193	1.0900073	0 2402400	O KTZEBAB	0 5064308	0 68506756	0.5410082
Phase-1 RCT-117	0.8138116	0.8959635	1.69721	0.7400679	0.78781044		0.6683247	0.7014307	0.745/405	0.0230040	0.0304300	0.0000000	76870697
Phase-1 RCT-137	0.6737796	0.6980377	1.6302003	0.5393679	0.49997792	-+	0.84223735	1.1021416	0.6023261	0.6/6141	4 4060464	0.01012403	2 287 18B
Melanoma-associated antigen ME491	1,2892904	1.1373084	1.004523	1.126574	1.0606791	1.1600649	1.3884083	0.8209077	1.6/034/1	1.35/353	1,1302101	4 6477000	000000000000000000000000000000000000000
Phase-1 RCT-12	1.0336585	1,0409336	0.97865665	1.0967145	1.2509782	1.0487278	1.1355038	1.0028685	1.3398657	1.767338	1.583504	4 0200530	7518127
Phase-1 RCT-152	1,0833834	0.9983237	1,2797565	1.2765598	1.298122	1.4524632	1.9570973	1.5423272	2,1089528	2,492/106	2,6901080	T. SCOROSS	23/03320
14-3-3 zzeła	0.84973717	0.91038543	1.1311103	1,565919	1.8138217	1.4153996	1.4373559	1,2539016	1.5923091	1.7873095	1.4164262	1.4145473	2.1643923
Cytochrome P450 2C23	0.3739788	0.67746323	0.8919667	0.6462769	0.70112944	0.89126647	0.5615008	0.85602	0.50918937	0.39393038	0.29726845	0.34829244	0.20071632
Voltage-dependent anion channel 2 (Vdac2)	1.0130997	0.92129904	1.143048	0.88797784	0.81729585	0.9300347	2.141201	1.9446859	1.9158632	1.7500443	2.0545165	27878LC.L	2.109020/
			4			02270007	2000000	4 400044	4 9044466	4 4505433	4 4088342	1 177760B	2 0881333
Phase-1 RCT-154	2.0589685	2.5475147	1	1.0681405	1.0714875	1.0281553	0.8985927	1.123011	9 0746965	2 0550743	4 0/02/05	1 6308455	3 2308366
Superoxide dismutase Mn	1.2139889	1.0029822	1.3913771	2,344,3198	1.9280921	1.4414591	2.6753087	C096019.1	3.040303	9.044558	2 5774079	4 8903915	2 5014267
c-myc	1.6824652	1.4593872	0.9192107	2,6966634	1.8456204	2.0435997	4 5200744	0 0701351	1 580/487	2 0687976	1 6561388	1.5536627	1.4655904
Phase-1 RCT-196	0.9698325	0.9596937	9	1.5400642	1.7545/47	1.7843101	1 350500	1 0317868	4 7447202	1 8202311	1 857407	1 29541	4.071453
Oydin G	4.177021	5,5452788	4	1.4286355	1.0011838	1,00001	7.0004007	0.0217000	4 5703407	1 608248	1 454901	135458	2.9546832
Calgranulin 85	1.1411692	1.1041021	4	1.1/42065	1.2959278	1.1928120	1.0001307	4 4220040	4 7004068	4 4731345	1 3828181	1 1512202	1 2768244
p53	0.8076869	0.7704963	_	1.3007476	1.3982984	1.1080066	1.4482546	1.1330043	2 0407875	4 553151	1 5094599	1 3233093	1.6625992
Phase-1 RCT-205	1.0723933	0.9298396	0.78696966	1,500363	1.4831/38	1,3103437	1.3004432	1 4245724	1 8874464	2 0502522	1 8923519	1.5186543	1.6562225
Phase-1 RCT-68	1,265993	TESSTOO.F	1.1050163	1.2000000	1.07/800	1,2133211	0.8540335	0.8624649	1 1751412	1 0810413	1,3384063	1,4362706	1.1101415
Caspase 3	0020/0305	780001790	0.0460000	4 5752633	1 6561137	1 527057	1 5806142	1.0930152	1.4924905	1,5695746	1.3053133	1,3978193	2.2152297
Alpha-tubulin	0.7075307	0.70694706	0 08883788	1 2558315	0 98579353	1 0597126	20141196	1.8109642	2,098743	2.626895	2.7269235	2,050684	2.5460644
Consolies protest cash	1 2889707	1 2985214	0.87521744	1.1841584	1.1343348	0.95208037	1.4561078	1,4163593	3.1583354	1.3620456	1.3220685	1.097769	3.1056318
Dhase-1 PCT-30	1 0494285	199999994	-	1,394147	1.7354772	1.2926806	1,2794008	0.90048634	2,1609643	1.6554736	1.3992668	1.3427883	1.8212497
Coffin	1,1655151	1.1505121	+-	1.1345875	0.99670166	1.1302248	2.9232223	2.0638804	28351072	2.6319299	2.0498528	1.7689312	1.52941
Herne oxymenase	1.0008491	0.7656498	L	1.479942	2.1035345	1.8073334	12,234272	1.4714108	15.824095	17.7012	19.530851	12,751645	2,906616
Physe-1 RCT-241	1,1250352	1,3712897	0.922298	2.4354577	2.2945618	1.9338969	2.0369186	0.8758043	2.5844228	2.0846985	1.1284157	1.1560014	1.4213411
Rihosomal protein S9	0.9522787	0.9079319	L	1.3421649	0.84159815	1.244653	1.820619	1.2715254	1.5436891	1.8866477	1.4525287	1.347097	2.0258555
Prese-1 RCT-258	0.9606846	1.0502334		1.2287164	1,123066	1,138353	1.1859962	0.9631207	1.5418757	1,6499089	1.3859353	1.3581933	1.2588491
Archinosuccinate fyase	2.0967388	1.534673	0.55144495	1.4018197	1.0604713	1.4711878	2.651008	1.7640364	2.1451428	2.2517676	2,6117768	1.8981912	1.442812/
Phase-1 RCT-180	1.4608333	1,2252749	1.0601547	1.4825579	1,1481745	1.5800836	1.2648929	1.2552742	1.5028497	1.726077	1,4324504	1.5145471	1.2313/33
Multidrug resistant protein-1	5.2112846	6.6054926	2.7571132	3,6975641	3,1814823	3.4660316	0.6573524	1.4860818	2,0744915	1,8535577	2.0215464	1.401300	2.071373
Ornithine decarboxylase	1,3365344	1.0972922	0.7047622	1.9478767	1.5830907	1.8256718	2.7621548	1,48//541	2,28/528	2.9204430	1 5400045	1 2770140	2 247 151
Trymosin beta-10	1,0044553	0.8322679	1.2984791	1.2212476	1.057981	0.9687337	1.3312045	1.36/1318	1.3729193	1.1093000	4 4720843	4 2240008	2 5087173
Phase-1 RCT-72	1.1017557	0.9191091	0.9388089	1,0519296	1,2393016	1.1354774	1.0791714	0.89609390	2 020000	2 76 50 479	21000141	2 1088978	2334362
Phase-1 RCT-109	0.8799327	0.8433956	3 0.9243685	1.1541326	0.9714038	1.1113037	1.8951125	1.6514163	4 2047260	4 2702087	4 20034	1 2883135	0.98773908
Phase-1 RCT-76	0.7557179	0.8391595	0.82887006	1.0209672	1.1210849	1,003859	1.3090445	1.3201033	3 1051027	1 6806374	1 522995	1 1200678	1.3528583
Vacuole membrane protein 1	1,0284852	1,338311	1,3504465	1,02226.1	1.160/3623	1.07.44034	2.377 1 1001	2000013	4.100102.1		100000000000000000000000000000000000000		

								22000000	30077700	8 400554	5 490545	3.1531248	1,0898789
Disco 4 DOT 458	1 2229285	1.4704888	0.9049895	1,2454925	1.3596841	1.2171707	4.1736364 0.82038677	0.82038677	0.2314203	1 2205118	1 0894811	1.0139892	1.0570803
T1280-1 NO. 1 1.0	1 1949328	1.5234491	1.0300158	1,4817379	1.4816358	1.7254816	1.5/1515	1.5/1515 0.9469/320	20001120	PG 3000 C	1 489347	1 0769471	2.8587914
Endocenous retroviral secuence, 5 and 3	0.8274848	0.7270998	0.7270998 0.97860044	0.8816609	1.0033368	1.0850494	1.8541503	1.5852102	70201802	**************************************			
Transferred to the second seco						1	0 10 100	1000000	2 COBABAR	1 7813826	1.4456688	1,3981987	2,4132357
ortho extin	0.54395413	0.50408936	0.897674	1.3863703	1.3947511	1.1259688	2.485/33	1.0102044	4 0564008	1 3086895	1 6728485	1.4601291	1,7559551
Ded-scull	1 7487537	1,530548	0.8885216	1.3543745	1.6250447	1.3190266	1.7056478	0700077	20010001	4 SEAOAS	1 90293R	1 7325557	2 525919
MUC Asset antico RT1 A1/0 ainta-chain	3,8330574	2.383897	1	1.5991622	2.0008862	1.3200445	1.4065083	1.2865089	1.0331/9/	1 6367341	1 711984	1.3536209	1.8403347
Roy (aloha)	1.1118253	1.1582731	1	1.3595716	1.5977923	1.2590859	1.53816	1.4130/04	4 3740789	1 6399505	1.1494583	1.2750872	1.6659124
Carbony reductase	1.2957275	ļ	- 1	1.3311648	1.2950934	1.2483975	1.0/03220	1 7400162	1 797293	1.1822512	1,0958151	1.1488302	1.6749736
Reta-actin sequence 2	0.52233785			1.1774303	1.1707458	1.0415404	1,7413730	1.6577851	10934541	1.2639966	1.3240098	1,4761643	1.0653152
Interleukin-10	1.3533499	. 1	_	1.5958307	1,5524945	1,353370	4 728480	1 301535	2.139248	3.0565724	2,43825	2.0816464	1,5659757
Phase-1 RCT-191	2.2285156	- 1		1.6250434	10086.1	4 4542024	4 401000	1 431657	1 3089089	1,3013914	1.3594732	1.1032851	1.0872564
Phase-1 RCT-111	0.8000823	- 1	_1	0.91501766	1.002100.1	_	0.64200285	0 S4200285 0 92780887 0.55070424	0.55070424	0.5024909	0.5405658	0.54678875 0.61168474	0.81168474
Anontosis-regulating basic protein	0.6965337	9		0.45588332	0.516961/ 0.5161/53		O SEBRRA	1 0305332 0 3955971	0.3955971	0.34866202	0.3361981	0.33522168 0.44056332	0.44056332
Ghrathione peroxidase	0.5432186	1	. 1	0.42614537	021/100	0.0000000	A 64656348	0.30030000 0.300348 0.8827548 0.74723995	0 74723995	0.8103561	0.91726214	0.9213235	0.47690344
Phase-1 RCT-239	1,8452631	١	0.7795404	0.9437185	0.7611502	0.63409/3	0.81030310 0.825840	n earstal n en395476 0.81264305	0.81264305	0.8809966	0,8088049		0.7914068
Phase-1 RCT-67	1.131646	- 1	٧,	SCOOL B.O.	0.9106559 0.95612657 0.957695	0.80700402	0 80 4 8 55 56	0 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.7411042	0.78744817	0.9460498	0.912567	0.5773002
Tryotophan hydroxylase	0.97326195	1	- 1	0.54846334	ᆌ	0.00000000 0.1010112 0.00100000	0.6035077	1 1319385 0.51270354	0 51270354	0.6538451	0.7019942	0.58624995 0.73713285	0.73713285
Suffitransferase K2	0.31826994	٦	0.5096699	0.415/1143	ı٩	0.41731013	0.4 (31015)	1-	0.8130513	0.6822733	0.78196617	0,7199367	0.8144759
Calorandin B9	0.96477884		0.9421174 0.89862454	0.6895125	0.6895125 0./0/54035	0.7010700	0.7610708 0.73733004	0.6827518	0 8648182	0.8588566	0.8559161	0.88235295 0.80794066	0.80794066
Phase-1 RCT-123	1.366702		-1	0.8956644	-1	0.8025902	0.8032802 0.7 1318683	ı	0.8942165	0.84566694	0.8401846	0.82894725	0.71386385
Phase-1 RCT-98	1,4030994			0.89839500	0.034 132	0.9201930	0.9201930 0.1939764	ı	0.85351336	0.86006844	0.82290655	0.886453	0.7098722
Amianorin-3 (AQP3)	1,498509		-1	0.8900687	0.8900687 0.91//4483 0.0831464 0.75535754 0.0354505	0.72400354	0.15554514	0 21818982	0.1236031	0.09480253	0.10421697	0,09173717 0.13786155	0.13786155
Steam-CoA desaturase, liver	0.058449384	۳,	0.3952936	0.15380867	0.20277213	0.0442540	0.63704973	A 6442549 O 63704073 O 80610037	0.5929832	0.6309724	0.7099378	0.7273017.	0.7294366
Phase-1 RCT-84	0.583944	_	0.48990262 0.78716505	0.5744543/	1.1230003	0.0442040	0.001						
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of													_
treatment/control for all 24 hour predictive		_											
genes (Table 5).													_
(2) Compound and dose apprendicts as in													
(a) Individual animal number													
(4) I true inflammathon classification for		_											_
commonados maio at 72 fr ves-nect.													
necrosis observed; yes-both, necrosis with													
inflammation observed; no, no histopathology	*												
observed													
(5) Predictive gene (as in Table 5 and as													
Included the lawe co.													

Table 29. Expression Data for 24 Hour Timepoint (1)													
4	0000	00077	200	T	T	000	000	000	MCT 4.3	NCT R	MCTR	NAI AS	MAI 45
Compound-Lose (2)	2055	2058	1754	1765	1758	354	355	356	204	235	238	2644	2645
Liver Toxicity Inflammation Classification (4) yes-both	yes-both	yes-bot	yes-both				+	yes-both	-		2	-	8
Gene Name (5)													
Gamma-actin, cytoplasmic	3.0457294	3.9200022	2,1755028	2.3958645	1.820712	6.400891	2.6559298	1.7433479	0.59216034	1.5311049	0.9793918	1.1214224	1.1122547
Phase-1 RCT-145	1,9948301	1.7656795	1.34305		1.341065	2.1710186	1.5790329	1.0256796	_	1.0649536	1.0439278	0.90421987	0.82995695
Gadd45	4.1851983	1.5416964	2.0483875	2.1846497	2.416181	2,7726345	1.1335245	1.0902935	-	0.90635324	0.80036753	1.0296901	0.8624209
Phase-1 RCT-78	0.5866493	ı	0.6976997	0.7401357	0.63120127	0.56560117	0.7713856	0.9501752	0.87276715	1.0957514	1.0818632	1.2040777	1.1066582
Fas artigen	2.2001362	"1	1.6169696	1.5319164	1.4695637	2.590346	2,3735297	1.3982044	1.3580158	0.9419759	0.9161348	0.9824907	1.0708266
Macrophage inflammatory protein-2 alpha	4.3032336	- 1	5.5702376	3.9283495	5.477772	5.18203	1.0923767	0.876895	1.0681966	1.5876871	1.235048	0.978371	0.84156205
Integrin beta1	5.1019516	"[1.573644	1.4625477	1.8222693	2.8472126	1.6182631	1.9419613	0.8301882	1.1822/11	0.94505135	0.93716073	0,908/033
Phase-1 RCT-207	2.323234	_	4.962027	5.8372107	4.2311134	2.3718715	1.6958535	1.5759715	1.3956457	1.114728	0.9435023	0.8303126	1.0156746
Aspartate aminotransferase, mitochondrial	0.7174555	<u> </u>	0.8676622	0.7830575	0.7425922	0.8082463	0.927175	0.9002244	1.2180496	0.8854586	1.0042588	1.222715	1.1399866
Casein-alpha	1.0059681	_	0.8794668	_	0.8956475	0.8201881	0.8578128	0.98424715	1.791035	1.5352737	1.1222624	0.94469184	0.81128926
Mailc enzyme	1.1382632	4	0.653715	7	0.55756634	0.26174328	0.2699147	0.28341085	0.9579906	1.3738742	1.2358319	0.9792882	1.205/909
Phase-1 RCT-30	0.68412685	0.7910173	0.9815254	1.0278596	1.005078	0.5515831	0.5111718	1.1424689		1.0183982	0.9781208	0.89944055	0.85/35/6
Hepatocyte growth factor receptor	1.0722193	0.8494952	1.1578555	1.0932206	1.2575308	1.0810369	1.31399	0.85441985	X 9	0.90082294	0.8976611	0.77703497	0.0040914
MAP kinase kinase	1.9318287	1.3715352	1.0449365	0.9797045	1.0009618	1.600833	1.4160094	1.1958083		1.2038002	0.915/12	0.900093	0.756774
Sodium/glucose cotransporter 1	1.0238842	0.9891469	0.57226338	0.76214784	0.5687112	1,8305595	2.1260047	1,7785423		0.43653625	0./34.20133	0.8810024	0.8538274
Phase-1 RCI-27		_	1.1978284	0.7666303	0.35644408	7.04343	1.0923334	1 2050424	4 4200368	4 4434474	1 0827101	0 8145902	0 7098242
Phase-1 RCI-60	2 4000063	2 040457	1.6440511	4 4764692	4 5508404	4 0024596	1 355259	1 1878891	-	0 8787585	0.94985193	0.9585826	0.86741954
	0.34884438	16	0.5253037	0.5078070		0.38814278	0 7278074	0 8314838	0.579473	0.60691106	0.53209704	1 2054905	1.1624815
	2374986	2 2411325	1 2078261	1 2474034	Д	1.3788408	1 4027919	1.3393837	0.9007371	0.9732834	1,0012033	1,0917883	1.0430442
	3 180059		1 6465837	1 6556724	1.4823074	2.0686288		1.4894385	_	0.683478	0.8021241	1,0286256	1.0891267
60S ribosomal orotein L6	3.3545399	3.5781336	1,7731404	1,7175888	1,5630764	2.5147152	1	1.5466884		0.76210964	0.8744972	1.0753756	1.1603794
Zinc finger protein	2,9112062	1	2.226279	2.8996589	2.332279	4.824339	1,4791515	1.481397	1.5783421	1.0158045	0.9736506	0.9737642	0.8482391
Calgranulin B2	1.9173334	3,3768022	1.0935947	1.19114	1.2617226	1,2257379	1.0422857	0.69687194	1	0.8420251	0.8198939	0.9253861	0.7952318
<u>-</u>	1.6156043		1.6622672	1.7349473	1.674152	1.9203006	1.7582985	2.068847	1.3496708	1.3387678	1.2842237	0.80914277	0.84621716
Phase-1 RCT-92	0.25694996		0.45487657	0.55762994	0,45955014	-	0.47980258	0,5462084	0.8068374	0.7851143	1,1521405	1.149176	1.4315958
Phase-1 RCT-115	2.020977	2,3118594	_ 1	_	1.4176658	1,6658559	1.1401705	0.9295235	1.7185702	1.8859587	1.9117436	1.1308638	1.084/039
Matrin F/G	0.4180158	_	0.6148238	0.6690309	0.6657587	0.36553124	0.6086198	0.7306065	0.6968141	0.7712636	0.5990965	0.942437	0.9641721
Mutl. homologue (MLH1)	1.5023028	┸	1.0671775	1.0746776	1.0790838	1.3494045	1.2551546	0.9995629	0.9444256	0.9465504	4 0004004	0.097/650	0.004/103
Phase-1 RCT-79	1.6693051		1.1245923	1.1238045	1.011031	1,029146/	0.8545/33	1,8033302	4 6170001	0.0446500	0.07364887	1 2571919	1 4205074
Sorting denyclogenese	1.0707070	9 6632674	4 37 4050E	\perp	1 1601657	0.745367	0 77148ABS	CEUTANO O	1 7790699	1 5196761	1 684129	0.8724422	0.89687353
Colorandia B1	4 0675035		┸	L	1316865	-	1 3673705	1.1954653	1.0488315	0.8636492	0.5545982	0.7503502	0.69759583
Florestin factor-1 alpha	9 4633143		L	L	1.0801109	1.4001268	1.5824631	1.1562912	l	1.0007594	0.9201819	1.1051992	1.1833915
L-culono-camma-lactone oxidase	0.28364348		10	Ľ	⋍	0.15400878 0.42840254	0.42840254	0.7763927	1.021713	1.2034278	1.0270121	0.8472056	0.90828574
Phase-1 RCT-33	0.38035818	0.4745723		0.5836725	0.56718004	0.37204096	0.5170198	0.5720211	0.7056956	0.7943181		0.8686333	0.8334676
c-lun	2.5174065		2,5841537	L	4.314467	2.6335511	9	0.6617427	1.574772	1.7223917	0.92382914	0.8424038	0.6543116
Phase-1 RCT-233	0.36051628	_	_	_	0.3280884		0.50285556	1.3469799	<u> </u>	0.91458875	1.1985865	0.80068594	1,1577319
Phase-1 RCT-36	0.55333835	4	0	0	┙		0.79093343	0.73144778		0.9611848	0.9218638	0.9607282	0.91949284
Phase-1 RCT-242	2.502959	- 1	_1	2.743458	┙	2.733232	1.0198131	1.7555054	1.3834871	1.1232831	1.1423848	0.8578823	0.7470564
Phase-1 RCT-181	0.5210405	- 1		0.7138847	4	0.6005487	0.7634349	0.9006349	0.7331442	0.9260154	1,0034314	1,0114653	2003280
Phase-1 RCT-185	0.36510643	9 5045747	1.656166/3	4 7094049	1.55/35415	2 4000065	0.3735036	4 2343524	4 042867	0.7507123	0.86261004	1 0474746	1 1483874
Priese-1 PCT-178	2 8818034	1	┸	1	1 4747944	L	1 4690024	1 0102489	L	1.0794798	1 2378452	0.9882849	1,0551181
Filabori NOT-1-17	3 2208064	1	1 2719118	L	1 1193483	L	1 3409535	1 3540832	Ľ	0.8379114	1.11295	1.0357397	1.2159499
Phase-1 RCT-225	+-		L	L	2,8840844	2,2128698	1.0646118	0.6646972	1.6782684	0.88332075	0.8486914	0.9843891	1.1548651
60S ribosomal protein L6 (alternate clone 1)	3.3378031	7	L-	ļ.,	1.4911461	2.3021507	1.8350469	1.5237614	9	0.6474777	0.80341053	1.0496186	1.1171387
Retarbitule deed	4 5409718	4 0395603		1	1	1 160093	1.4484888	1.0494959	1.9022529	1.4475887	1.4667059	1.0954233	1.2269781
Miditing resistant pertein.2	5 8218693	1	6.537999	5 2299158	6.291526		1_	1.1497924		1,8033012	1,8033012 0.99150884	ı	1.0964111
MUMOCON TOOLONG B Proving		1	4	1	ı	1							

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Phase-1 RCT-49	2.9415908	1.8672978	1.2631255	1.3293079	1.5477045	1.5203338	1,1103401	1 207005B	_	_	1 0274992	1_	0.9436655
Calgranulin B3	1.8683666	1.7128414	1.4118/22	1,3309004	1.3220017	1.8003909	1 044544	0 62512904	0 793716	1		L.	1,5394293
NADP-dependent isocitrate dehydrogenase,	0.43368438	0.408148//	0.59115223	76/00000	0.40030114	0.400400							
Odernor blading aminin 1	0 6540581	0 80922015	0.8150219	0.9380221	0.7546331	0.4944946	0.61937984	0.7850298	1.5319337	1.1380426	-	0.94690114	0.879794
	0.28004183	0 19272886	0 2757233	0.3455292	1.2		0.17453887	0.27613932	0.52326405	0.5911949	0.6085194	_1	1.19271
Obere 4 DCT 474	1 0490714		0.883222	0.90015703	0.8670543	0.5752449	0.71339005	0.5766298	1.3393537	0.95775825	1.3845551	_	1.0790569
	0 84035964	10	0.86274128	0.8148604	0.8406891	0.38784528	0.64648306	0.52505018	1.174286	0.91760117	1.2985665	_	1.2262713
Prizase-1 RCI-77	0.24548773		0.57613236	0 54658014	0.47960803		0.48828772	0.97111267	0.7184985	0.8051495 (0.82475644	_	1.1306636
ı	0.49094513	0.10631754	0.4204458	0.46815482	0.3985326		0.49527818	+		ш	0.6473118	_	1.0421045
John Township or Complete or	0.9744078		0.0510004	0 5300047	0.44785407	0.3818915	0.702141	0.43371373	0.77792406	0.85601765	0.77362525	1.020003 C	0.86330205
Equitorative nutrobenzyituomosine-sensiive	0.3/440/3	7500074-0	-000										
	0.74414176	0 78405887	0.8645643	0.862711	0.78651625	0.5827632	0.84285367	1,2623011	0.59050775	0.9167233	0.8255402	1.2342732	1.1687096
00-1-00 00-1-00	0.5007216	0.49724624	0.8955988	0.9414888	0.8759474	0.8312432	0.90136456	1.076094	1,3510139	0.94147485	1.002948	1.0557578	1.0205718
1000	0.3301210		0.48197164	0 50772923	0.38868052	0.33211142	0.4548813	0.47001243	0.6227276	1.0418127	1.0780482	1,3006737	1.2886541
NAUH-cytochrome to regudase	0.43333412	١,	0.4603622	0.00115023	0 58818007	0.4341712	0.5552758	1 7845032	1 090302	0.85398385	0.900803	0.9697427	1.2835578
Dynamin-1 (D100)	0.3001303		0.0320020	0 22548874	0.249008	0.08570785	0.8578185	0.49014518	0.55011857	1,1503042	1.0645689	1.2954389	1.0175281
Senescence marker procencyo	0.2334240	0.17394203	0.60003102	0 64004636	0 58325287	0.370/36335	0 7264777	0.63374525	0.6617778	0.8559978	0.7687878	1.1475078	1.0847486
	0.335220/0	0.40002014	0.303707	0.000000	4 2405445	4 2404368	0 8534120	1 0819103	2 248 1048	13139156	1.2890936	1.0338948	0.9523708
A transferase	0.33/2014/		0.93459709	0.0000000	0.24422502	0 6882067	0 8100A54	0.49748978	0 6389215	0.5254379	0.4713894	1,1618025 (0.94694144
	0.14315583	0.17/01/3	0.3/403/02	47CC010076	0.2142230	0.000000	6.010000	0 7048534	4 478826	0 9145267	1 022237		1.0468013
	0.36450067		0.6036383	0.64608820	0.95348683	0.41203300	0.3027271	2010101	C 55824184	0.0384677	0.8831283	┖	1 1263744
Cathepsin L, sequence 2	5.0101705		2.2908368	2.0969257	2.4150183	4.4302113	2,4044910	20001000	0.00024107	0.80428353	0.0001087	L	1 0564074
	1.2935271	0.7841519		1,6256543	2300531	10.086244	8.302203	7005007	0.0707070	0.0052285	0 0 2 2 3 8 4 1	1 0776955	11756084
	0.48465392	0.43236578	9	0.55099714	0.5108657	0.4459541	1421UC10.U	0.7053207	4 20 40 42	0.0000000	+-	╀.	0 7037038
	0.76616204	0.84670347	_	1.1617253	1.2084104	1.84006/1	1,2246230	1.0043341	1.40(0042	0.0000040		4	0.7758038
	1.0113517	0.79946226	1.1671096	1.1254803	1.1109164	0.98144215	1.0098945	0.9754369	1.1123513	1.458401	_	4	0.77.003.00
Phase-1 RCT-140	1.0440259			1.0758799	1.0528091	1.080747	1.0419546	1.0289899	1.3469661	1.0056539	_	4.	0.0104220
Cyclin D1	1,9269282	2.3967185	0.91669333	1.2194945	1.0760486	0,8910112	0.8471053	0.63447684	0.8294791	1.4204202	_	7700700	CO/SCALL
Phase-1 RCT-287	1.0528624	0.8719282	0.60572934	0.6400738	0.59155583	0.8183653	1.1979903	1.1778742	0.8153782	1.2093375		1.3281587	1.1/49408
Phase 1 RCT-281	0.87672293	1.0360965	_	1.2709397	1,3529108	0.55136985	0.6842718	0.7918999	0.8315004	0.6547706	0.9293089	0.84724826	0.600/788
Detacl kinding partein (BRP)	0.4260051	0.32161868	_	0.6610238	0.6739513	0.41537178	0.85198647	1.2572738	0.6009221	0.9178585	1.162602		1.2998526
ATD chim dated also conficulting and	0 7295475	+-	_	1.0496973	0.918385	0.715552	1.165089	0.711846	0.85964054	0.94888055	0.9354007	1.1258221	0.95464176
Principle of the control of the cont			<u></u>										
Phase-1 RCT-60	2.0506294	1.7520926	1.1891692	1.0793545	1.1034968	1.2357916	1.1804015	0,97060853	1.1150306	1.0418637	1.0874859	0.9338106	1.0102227
Duncate kinges miseria	2 452139	4.8594093	1,1102097	0.97605276	1.164582	5.7231703	3.6357648	2.5874655	1.3910917	1.1413805		1.0970548	1.004 /013
DAD interaction emission	1.8047488	L	L	1.372397	1.3069781	1.5500888	1,3725723	0.9911812	0.9768099	1.1122458	_	0.89874005	0.9360948
Nicleoside dinhosphate kinase beta factoria	┿	L	1	1.6418049	1.6392882	1.6041514	1.6604731	1.4666766	0.8383544	0.9545265	1,1035591	0.9072705	0.6807867
	i 										-	4	00000
Gadd153	3.9715643	3,3575413	3,5105417	3.7394226	3.718889	2,250709	2.37944	1.2583137	1.7231433	1.6605246	-	4	0.7848633
Insulin-like growth factor binding protein 1	4.09912		1.5428771	1.2521566	1.75171	9.570809	3,1451118	4.4176188	0.979361	0.75810647	0.6583781	1.0095098	0.8242203
THE STATE OF THE S	1.5157272	Ļ.,	2,1059296	1.908223	1.8544047	1.533287	1.7200844	1.4194655	2.1570125	1.026286	0.9479259	_	0.9597198
N-hydroxy-2-acetylaminofluorene	0.2415767	0.42311034	0.48472396	0.41975585	0.32224974	0.18772453	0.8197165	0.32508472	0.6782146	0.82163507	0.7890428	1.1226163	CS188878.0
sulfotransferase (ST1C1)	200007		0.40576070	0.44479050	0 99594656	0.3843448	O 48837078	0.38315743	0 8054481	1.0198327	1,1368771	12660135	0.97643244
Phase-1 RCT-52	0.496218//		_	0.0000000000000000000000000000000000000	0.33301030	0.30131410		0 15894468	0.8074134	٠.	0.97129166	_	1,3584509
Alpha 1 - inhibitor III	0.2770247	0.2208/324	0.30301230	704200	0.830687	0.2504784	0.8490323	0 7418939	0 65821597		1.0503608	1.1149167	1.3258059
Sterol carrier protein 2	0.617032	0.01/044/4	_	O BENEAUAB	0.00000	0.4978885	_	0 7824894	0.8157177	1.4590472	1.2482497	0.99988556	0.5754567
Organic anion transporter 3	0.011330			0.00000440	0.00211334	0 94924228		0 5590386	1.160017	0.9678887	1.1657137	1.0745115	1.0002277
Calgrandin 64	0.3511040	0.3378332		0.404093	0.47033738	0 1008336	0.4732614	0.9002813	0	1.0262095	1.177664	1.2754034	1.3091512
Phase-1 RCT-182	0.3219920	71	1.	0.000000	0.41023120	0.1897357E	- 1	0 46456155		1.1274708	1.039029	1,1175907	1,2860199
Calgrandin 88	0.38362607	0.4919343	0.2012/0/	0.0248962	0.3313/40	0 98401407		0.6943056	1_	-	0.83447856	1.1562272	1,1962495
Aldenyde denydrogenase, microsoniai	0.3003192		4.	0.4105178	0.41240856	0 12872088	0.2610953	2.5388717	0,43235102 0.67283407	_	0.76219714	1.0572059	1.4739848
Friase-1 RC 1-126	78007760		1	0.2477862	0 15980486	0.51526153	0.43225986	0.43867818		_	0.77509284	0.8447	0.6427715
Phase-1 RCI-102	0.2470007			0 52001148	0.4489195	0 2913244	_	1,442633	1.	0.9957555	1.3115572	1.169871	1.2465832
Preprogloumin, sequence 2	0.3103/334	1-	-	0.37077388	0.23623748	0.32083398	_	0.7285846	0.36592844	_	0.23520419	0.71351707	0.7923804
Dhase-1 RCT-10	0.38139087	0.32505375	١.	0.6212926	0.60890824	0,4566694	0.8099002	1,1514052	0.69460976	1.0096433	0.9780684	1.2155375	1.317091
Phase-1 RCT-48	0.9350863	1.022386	0.50527436	0.52704823	0.47569972	0.8411301	1.1232914	0.6541692	0.64047456	1.1769172	1.407454	1.1981609	1.2058337
Phase-1 RCT-8	0.30850732	0.3048616	3 0.4830573	0.5193014	0.42729968	0.27155992	0.27155992 0.46735775	1.5813137	0.5208392	0.961626771	1,33630941	1.3409/311	1,3309210
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								00000	00000000	10000000	lacant cao	0.0406722	1 0141204
8	0.48322743	0.47028422	0.5985751	0.54473907	0.49088004	0.48476455	0.7845/92	0.7480203	1 1194781	3 8	1 0923152	1.1496282	1.57613
	0.4308733	0.26471233	0.6943669	0.72295177	0.701020	_	4 4447028	1 1216031	0 55121803	+-	0.68228513	1.8447229	1,7765839
ese	0.3427218	0.27813858	0.7182424	0.7319556	0.0363993		07411970	0 2000266	0.5706145	0 7051622	0.8512613	14171555	1.3164165
	0.19879417	0.3182878	0.2677555	0.2315/519	0.21596244	0.21100032 0.307007	واه	0.000000000	0.8400872	1 3027325	1 4924084	1,31315	1.3088467
se III	0.07362342	0.03951674	0.11952618	0.27094576	0.070240214	0.011/0/43	2 2	0.0404000	0.7811222	1 2703853	1 1668905	1 2674195	1.1148016
	0.45855042	0.46804678	0.61757505	0.62519974	0.499594.0		0.0011923	0.48052073	0 60853085	0.6975926	1.0960687	1 2727325	1,8314855
Carbonic anhydrase III, sequence 2	0.29977995	0.12716717	0.46176437	0.44901344	0.43220718	_	0.00010000	0.40032373	4 0588626	0 9144318	1	0.89740106	1.138257
	0.83669823	0.8164485	0.4656967	0.4626961	0.408/0056	C8815002.0	0.3037070	0.50190037	2 125254B	1 6807578	+	1.028491	1.0779593
HMG-CoA synthase, mitochondrial	0.2546302	0.36859754	0.43802586	0.51363/84	0.7230404	0.20327.147	0.0403023		0.76254016	_	0.95490074	1.0298295	1.2210543
Phase-1 RCT-189	0.5598978	0.4924/21	0.7478630	0 74808237	0 6309288	0.46524282	0.8891092		0.63853544	_	0.91032434	1,2691672	1.2122601
Phase-1 KCI-40	0.0043022	0.0730440	0.7420005	0.45668003	0 34543474	0.3854721	1 1122072		0.34327504	0.3913808	0.39449674	0.9639291	0.9285457
z predusor	0.233333	0.1477064	79900000	0.304B471	0 38382275	0 20130494	0.3522886	_	0.4821432	0.7346454	1.0368867	1.3232759	12379159
	0.30560345	0.2691/004	0.39230007	0.3340471	0.3030227.5	0 11616285	0.60791737	0.3609023	0.4096504	0.4787793	0.46761113	1,2681334	1.0337187
old binding protein	0.3302233	0.24343070	0 00407458	0.0507007	0 47084368	-	0 18214242	0.13564804	0.8089537	0.8676883	0.9933186	0.79528916	1,3551136
	0.31461614	0.23300013	0.30107130	0 45775009	0.17001300		0.4667193	-	1	0.80312103	0.5920125	0.8991927	1.0735395
Phase-1 RCT-38	0.41505983	0.53397304	0.41110357	0.45770993	0.4000000	0.13230313	79900000			1.0789379	1.0980442	1.1378872	1.1807256
Phase-1 RCT-270	0.5490685		0.30010104	0.40300174	0.33003324	0.1010134	0 30304447	-	0.40279018	0.70376873	0.7350139	1.0183108	0.9509039
Transthyretin	0.2011055			0.00470000	0.301.34	0.18023123	0.38302503	-	0 9855135	0.75038385	-	0,90320754	1.1485763
Hepatic lipase	0.23987429	0.30345636	0.43902200	0.334/0900	0.3/400133	0.24487806	0.30225676	0.34322667	0.6268108	0.8128526	0.68192244	1.103348	.88651913
Cytochrome P450 11A1	0.2355//82	0.1900000	0.34302012	0.40034030	0.4103400	0 82146028	0.00586343	1 0102112		0.67316854	0.8374236	1,2383679	1.275675
Phase-1 RCI-1/5	0.20000/40	0.0004000	0.7770000	0.0011120	07484362	0.0102369	1 1283714	1.0358288	0.877008	1.199213	0,80010456	1.8276275	1.5523903
Phase-1 RCT-117	0.399774	0.33343622	0.7740009	0.0133001	0.4262447	0.6077146	1 0373673	0.80314773	0.7138952	0.66588855	0.8337359	1.1094037	1.2695209
Phase-1 RCT-137	0.434687	0.51720		4 5407004	4 2708555	3 20R401	5257875	1 5201687	1.472059	1.245471	1.2441281	1.0607845	38269186
Melanoma-associated antigen ME491	3.3384204	3.03/6016	1.0239019	1,010/801	4 4205425	1 0052701	1 1662628	1 0778875	1 5037912	1.2523003	₩	0.99590397	1.0418619
Phase-1 RCT-12	2.8943422	2.7650568	1.3748502	1.000085	1.4535120	4 050047	4 7040058	4 2452582	0.65084667	0 6882049	-	1,0821545	1.0314994
Phase-1 RCT-152	3.8669693	22573147	1.7310591	1.66/9004	1.6234013	TOTOGET ,	1.7210330	4 2004048	4 27824BO	1 6396852	1 4714089	0 8954953	1,366843
14-3-3 zeta	2.4876626	2,5851805	2.5322504	2,5469873	2.3486543	1,2003037000	1.72047664	0.4114808	0 6609864	0 73032268	0.81165284	1,7424043	1.8823131
Cytochrome P450 2C23	0.20464861	0.20951483	0.3366537	0.32730618	0.30/38088	0.097233094	0.1324/001	0.0114030	70045005	0 0002852	0 0322410	1 0000447	1 0770676
Voltage-dependent anion channel 2 (Vdac2)	2.6815648	1.945779	1.7784998	1.7093782	1.5794578	1.7463839	1.7317485	1.4183//4	0.708150	0.9003002			
		_	0 0045000	2 7043505	9 2007666	26428418	2 0896	1 5649588	1.1884358	1.0230782	0.89015925	1.0732797	0.86538476
Phase-1 RCT-154	2.6354098	71/96852	3.3613623	3,7013303	3.209/000	20070410	7 832330	2 394023	0 7550042	1 2154483	0.8977744	1.2815182	1.3424653
Superoxide dismutase Mn	4.810452	3.3345268	3.13442/8	3,0405/92	3.047.0802	4209024	1.052533	0.98500067	1 5031368	1 477438	1 202431	0.78852443	0.7922169
o-myc	2.5362456	1.9832413	1.4373343	1.4835546	1.8220677	1.09323001	4 4445540	0.00000000	1 2941429	0 91121876	0.8692568	1,0058535	0.9614876
Phase-1 RCT-198	1.4655389	1.2985523	1.1983247	1.1531139	1.1003324	4 9595463	2 08747	1 4569183	0.89508456	15431851	1,2557242	_	0,84685683
Cyclin G	5.3807287	3.834693	14.440470	13.0030133	70002711	4.00040	0 0608660	0 7851958		0.9161675	1.1210262	0.8788341	0.8435837
Catgranulin B5	2.6286464	2.6484523	1.2770365	1.3416978	1.3636/04	1.021273	4 6543977	1 0021013	0.83182778	0.9424017	0.95299584	1.0663928	0.9859852
p53	1.5792546	1.3918713	1.5384244	1,6138364	1.411/432	1.0950 180	4 0400404	1 464003		1 0791504	1.0305196	1.0286695	1.0366718
Phase-1 RCT-205	2.1216888	1.7425519	1.3302377	1,1803420	1,101013	4 7206662	4 EGES 408	1 2605843	4 0835787	1 3294483	1,3230464	0.9579059	0.9822821
Phase-1 RCT-68	2,1566505	1.4050556	1.485298	1.418502	1,3030348	1./320003	77756000	1 0141236	1 693394	0 99387154	0.64477116	0.9366803	0.8051443
Caspase 3	1.350518	1.1343979	4.1086543	2.7833602	4 4743076	1.9021302	4 4744450	0 7189815	1 4538734	1,6122023	1.1143557	1.07777402	1.29255
Alpha-tubulin	2.075584	3.323092	1.0304004	4 600,303	4 6658877	3 598756	2 4913232	1.8317091	L	0.5974736	0.35888082	0.7977811	0.9528903
Ribosomal protein L13A	CONOUNCE OF	4	4 4050495	4 5620847	2 0334057	3 704436	2 5900264	1 6660497	Ц	1.0250872	0.8357931	0.93605834	0.83341223
IgE binding protein	4.228603	4	4 620,000	4 6815362	4 8046862	1 654823	1 328568	0.9892198	_	1.0805246	0.92247355	0.8594564	0.61787903
Phase-1 RCT-39	2.2124/30	1.7480092	1.0224322	1.0013302	4 6500150	1 8075478	4 44777255	1 5704997	↓_	0.9331037	1,1904187	1.3170716	1.3227882
Cofflin	1,6249001	7.00/0/09	4 0657409	4 2/04/082	4 7000773	7 5731807	4 1159506	3.8494248	<u>L</u>	1.0452855	0.8398532	1.1155461	0.9021917
Heme oxygenase	4 0596006	4	ľ	1 ARAZES	1 9321384	4 4410043	2 4815652	1.755722	1.0405406	1.0550077	1.03653	0.9131725	0.73249257
Phase-1 RCI -241	1.6536000	4	Ţ	1 2748027	1 220517R	2 6873539	2.3430028	1,6080464	1.3778001	0.88785526	1.0526292	1,3150295	1,2541131
Ribosomal protein Se	2.35301	1	1	1 2076132	1 1705775	1 4595515	1 5391624	1.030154	1.0290152	1.0485544	1.0507412	1.0062046	0.96540904
Phase-1 RCI -236	4 5575389	4	ľ	1 2219703	1 2713649	2.1828194	12965101	3.543073	1.0882454	1.0053443	0.90850055	1.0456018	1.256429
Obeset 4 DCT 480	1 3830785	-	1 3999335	1.3392003	1.3569623	1.3504307	1.0581591	1,2047818	1.4875165	1.1603202	1.360334	1.3672848	1.2404883
Middle or meletant partein.1	4 672183	Į_	6.194462	4.565507	6,861969	6.61696	1.8740501	1.2183996	1.2398545	1.5903449	1.3299587	1.1135201	1.0973839
Octivio decadordase	2 6702077	1_	3.36143	3.1633654	3,3053238	2.5982585	1.7417487	0.9407112	3.1134968	1.7855642	1.5929964	1.0591656	1.3108741
Themselv beta 40	2 7127R	3 1536043	1,6251298	1.7323841	1.5989083	3.9025621	2.8668551	1.6888744	0.9093212	0.6490445	0.5560981	0.8620089	0.91497606
Phase-1 RCT-72	2.8982408	2.14235	1.499445	1.5753512	1.3181504	1.5916523	1.1150602	1.5056164	0.8559255	1.3034598		0.8173763	1,000000
Phase-1 RCT-109	2.458066	2.47605	1.5446198	1.5333225	1.4501681	2.0901756	1,6830128	1.4481655	0.5411397	0.65381515	0.46833636	0.00037307	07420240
Phase-1 RCT-76	0.9527118	1.1083697	1.150923	1.3099422	1,3369875	1.0562172	0.87288725	0.87323093	0.7693723	0.56288034	0.50112301	1 0567703	4 2060816
Vacuole membrane protein 1	1,6187884	1.0717652	1.4340048	1.341724	1.5398853	1.4591691	0.7557339	0.695/753	USTITUTE	0.030/2014	0.75229300	120110001	1,100,000
		l											

									100	30400	4 0040B1B	0 9408622	0.7679133
1001	1 040846	1.0534656	1,1326824	1.0347681	1.2588831	1.8789947	1.4833646	1.152/283	1.0211432	1.081020	1 0282465	10222777	1.0026542
PRES6-1 RC1-130	4 2205082	1 0695174	1 5817969	1.719571	1.8825314	2.0072336	1.8078903	1,5203025	28/040	0.9131020	7000000	4 0523344	4 0623344 0 00169549
Phase-1 RCT-113	1.2240326	4 047355	1 1651069	1.4002427	1.8155566	2,8396678	1.2753332	2.88493	1.0718268	1.2168823 0.888884004	0.888899094	*10000.1	-
Endogenous retroviral sequence, 5' and 3'	23318220	-	3		-						4 000000	1 0050297 O 00552514	1 4897731
LTR	002000	0000000	9 75747B	2 2873230	3 3316884	4.541738	3.5038154	1.9381854	1.7933574	1.2144873	1.0630387	0.90032314	100000
Beta-actin	1.9375596	3.9194302	3.707420	4 5001887	9 1014008	1 949297	1,1698955	1.0036343	2,4295921	1.3433158	1.2759155	1.2759155 0.93673897	#780GF.0
Phase-1 RCT-65	1.872127	1.6192/25	1.8160160	1,300,100	2 503505	2 2823365	1.3606875	0.90048337	5.089075	2.5492735	2.0657809	1,277,1666	1,305546
MHC class antigen RT1.A1(f) alpha-chain	2.4207473	2,800605	2.5108418	2.2420880	2.090090	4 0627022	1 3635134	1 0760796	2721402	1.2327665	1.1441972	1.1441972 0.85434824 0.84231305	0.84231305
Bax (alpha)	2.1037614	2.1600115	2.8567157	2,5559995	3.241328	4.9021322	4 24 622 52	1 1286834	1,9037108	1.2623004	1.180303	0.9139171	0.86222825
Carbony reductase	1.922179	1.7814437	1.3840626	1.5300332	1.3416/23	1,130/02/	2 450201	1 301584	0.6688491	0.6688491 0.74915314	0.7070718	1.0445542	1.1499203
Reta-actin sections 2	1.5304341	1.8797337	i	1.9562889	0010100.1	7,00007	4 0708465	2 2455423	2 1805665	1.2550635	1.0675422	0.7771851	0.7771851 0.76218516
Interletikin-10	1.1165432	1.171089	_1	1.2983403	1.4862//3	1.01/20/07	4 0704076	0.06047455	1	1.1314224	1.2840335	0.8811861	1,0745221
Phase-1 RCT-191	1,2354523		_1	1 6863945	1,4465/15	1,437,0407	4 4502/72	0 8925945	1	0.7833566	0.9256437	1.0512552	1.1431639
Phase-1 RCT-111	1.1047789		- 1	1.358691	1.3700262	1.0030700	4 4222EOE	1 0658755	1-	0.6020088	0.6674851	1.0198705	1.0198705 0.98541415
Anontosis-regulating basic protein	0.55342865		0.7246956	0.75042593	0.54204655	0.000000	O SECRET	0.47146833	0.47146833 0.46461016	1	1.183576	1.347926	1.3793387
Glidathione peroxidase	0.4441557	0.34232798	0.34232798 0.60636234	0.6860433	0.6253430	0.20492303	C ED00030 0 76007473	0 6855991	1 5721025	1.4480371	1,1696519	0.9199755	0.8521722
Phase-1 RCT-239	0.46239427	0.61598986	0.61598986 0.66043293	0.74368453	0.7570930	0.000000	0.8540758	0.8240971		1	1,0139817	0.8091804	0.8191062
Phase-1 RCT-67	0.768809	0.8673614	0.8673614 0.7230883	0.75136167	ᆚ	0.0032600		0 7512672		Į.	1,100885	1.0112472	1.1668609
Tomfonhan hydroxylase	0.7546627	0.66545564	o	0.85323805	L	0.32/3909	0.0030010	O ZROZRE43	1 1016654	1_	1.1613939		1.0753984
Sulfotransferase K2	0.6974299	_	0.865697	0.68342286		0.4230020	0.3003330	0 84124525	1_	٦	0.9707061	1.0487099	1.1054362
Calcaradio 89	0.89855856		0.8128268 0.73773164	1	l	0.51040337	0.13034031	4 0439477	L.	1 1606523 0 9992367	1.1186714	0.997732	1.0705374
Phase-1 RCT-123	0.81917465		0.7673098 0.84864426		L	0.0232431	L.	0 R4193736		1.1189687	1.1952974		1.0632899
Phase-1 RCT-98	0.6931912	0.74230268	0.6931912 0.74230266 0.8828438	_1	٦,	0.0020004		0 92038816		ı	L	1.0419025	- 1
Amanorin-3 (AOP3)	0.7240415	0.7508554	0,7240415 0,7508554 0,78864014		0.6231940	0.74034120	0.08876937	0 14757723	1-	1.0629214		1.2668275 0.18815815	- 1
Steam-CoA desaturase, liver	0.08015517	0.11460654			-1	0.009146320	1009140320 0.00370331	0 5703796	1,4086087	1.0835489	1.1439629	1.0760943	0.9760915
Phase-1 RCT-64	0.6514277	0.7867824	0.6834237	0,69294816	0.62232400	0.3317300	0.421.02030		F				
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of													
treatment/control for all 24 hour predictive													
genes (Table 5).													
(2) Compound and dose abbreviations as in		_											
Participal primal number													
(4) I wer inflammation classification for		ļ											
compound-dose group at 72 h: yes-necr,		_	-										
necrosis observed; yes-both, necrosis with													
infammation observed; no, no histopathology	8												
pavaeqo										_			
(5) Predictive gene (as in Table 5 and as													
included in Table 20)													

Fig. No. 106	Table 29. Expression Data for 24 Hour Timepoint (1)												\sqcap	
MAA 456 MAA 180 MAA				1	1	Т	Т	Т	T	7		PHEN 20		PHEN 28
Transcription Transcriptio	omonind-Dose (2)	NAL 45	180			7	¥	ď	14	15	2636	1324	1325	1326
17,705.21 1,227.1226 1,000.7403 1,00	nimal Number (3)		2654	1	2025	4707	2020				5		2	
Comment Comm	wer Toxicity Inflammation Classification (4)	2		2										
Company										0000000	4 2074008	0 78360265	0 78108335	0.852407
0.6821581 0.005512458 0.00552621 0.0055252 0.005525 0.005	sane Name (5)	0.7408243	1 2212256	1,0807403	1.088423	1.0630708	1.0540012	0.88110965	1.2513438	1.10/3230	9074426		1 0227624	1,1056138
1377928 1377929 137709 13770	Sartma-actin, cytopiasmic	0.8521531	0.98216426	1.0992682			1.1486202	1.1423323	1.1899508	0.05523700	L	1	1,490055	1.1189228
1,175662 1,17292 1,2	Tase-1 Not-145	1317923	1,2205976	1.0909567			1.009062		1.043394	4 4008872	┸	L	1.3725007	1.3931217
Contraction Contraction	January DCT-78	1,1756521	1.1273028	1.3172523	Ц		0.9527652		4.306442	4 4042194		┸	1.2042142	1,0857185
Controller Con	master No (o	0.8516111	1.0413183	0.9363588			1.2462257	\perp	1,3300442	4 4200843	L	L	1.3471737	1.1103848
0.68600200 0.64177007 0.6400090 0.74040090 0.740400090 0.740400090 0.740400090 0.7404000000000000000000000000000000	as amgen	0.8784871	1.0076822	1,2191896		1,0797789	1.1880233	_	1.0933/21	1 3701677	1 3345977	┸	1,2398175	1.5644319
Control Cont	Macroniage international process	0.8386258	ᄂ	0.923899	_	0.94714254	12715927	_L	1,2090 130	1 0787108	┸		1.0558901	1.1229446
Commissioned mitochouchies 1,1462778 1,2626178 1,262618	hegin belat	0.85160947	2	0.9490099	2	0.9504951	1,0203738		1.0327	_	4-	_	0.7999215	0.64715904
0.722581 0.0525001 0.722581 0.0525001 0.722581 0.0525001 0.722581 0.0525001 0.722581 0.0525001 0.722581 0.0525001 0.722581 0.0525001 0.722581 0.0525001 0.722581 0.0525001 0.722581 0.0525001 0.722581 0.0525001 0.722581 0.0525001 0.722581 0.0525001 0.722581 0.0525001 0.722581 0.0525001 0.722581 0.0525001 0.722581 0.0525001 0.722591 0.0525001 0.722591 0.0525001 0.722591 0.0525001 0.722591 0.0525001 0.7227001 <t< td=""><td>Agrandate aminofransferase mitochondrial</td><td>1,4302706</td><td></td><td>1.0006748</td><td></td><td>1.0398961</td><td>1.1692197</td><td></td><td>0 8887507</td><td>_</td><td>_</td><td></td><td>1.3232738</td><td>1.1323462</td></t<>	Agrandate aminofransferase mitochondrial	1,4302706		1.0006748		1.0398961	1.1692197		0 8887507	_	_		1.3232738	1.1323462
1,004,082 0,027,1378 0,189,082 0,027,084 0,0	Aspartate attition at	0.7325819		0,7625103	_		0.8551621	-	4 0406368	-		Ľ	L	0.741668
1,004/0682 0,727/2846 0,7268/285 0,7	Male consume	1.1643722	L_	0.9612571	4	_	_		0.7653667	1		\mathbf{r}	0.81962746	0.86900437
Deciding Deciding	Mail Callyfile	1.0040662	1	0.78347694	_		_	Ľ	1 OBED333	_	<u>'</u>		0.9149398	0.96945643
1,027/564 1,007/2629 0,0657/1020 0,007/2629 1,007/2629 1,007/2629 0,007/26299 0,007/2629 0,007/2629 0,007/2629 0,007/2629 0,007/2629 0,007/2629 0,007/2629 0,007/2629 0,007/2629 0,007/2629 0,007/2629 0,007/2629 0,007/2629 0,007/2629 0,007/2629 0,007/2629 0,007/2629 0,007/2629 0,007/2629 0,	Contract amude factor recentific	0.62185156		0.7368617	_	_	1.120293	1	1,000000	┸	1_	1,0230565	1.1641792	1.1179197
0.50309040 1.567124441 1.0078220 0.52308464 1.0078201 0.52308464 1.0078201 0.52308464 1.0078201 0.52308464 1.0078201 0.52308464 1.0078201 0.52308464 1.0078201 0.5230846 1.0078201 0.5230846 0.5220846	MAD Moses Proce	1.0216486	L		_			4	PD06100.1	1	+-	3 0,3588956	0.40367466	0.3152089
0.0.42220 0.77850 0.788500AZ 1.5144208 0.8071237 0.5452075 0.5452075 0.5452075 0.545600A 0.645678 0.545600A 0.645678 0.645678 0.645678 0.646784 0.646787 0.646787 0.646787 0.646787 0.646787 0.646787 0.646787 0.646787 0.646787 0.646787 0.646787 0.646787 0.646787 0.646787 0.646787 0.666787 0.64678 0.64678 <td>Sodium/aluces cotransporter 1</td> <td>0.97512454</td> <td></td> <td>0.8657102£</td> <td>_</td> <td></td> <td>_</td> <td>4</td> <td>4 4777034</td> <td>1</td> <td>1</td> <td>Ļ</td> <td>0</td> <td>1.684735</td>	Sodium/aluces cotransporter 1	0.97512454		0.8657102£	_		_	4	4 4777034	1	1	Ļ	0	1.684735
0.7442276 0.77460 0.8448656 0.8027276 0.7442276 0.77460 0.844865 0.8027276 0.8027276 0.8027276 0.80287776 0.8028776 0.80287776 0	Phase-1 RCT-27	0.30390042		0.36781317	4	_	4	_	0 9333481	10	ــ	_	Ш	1.1953875
0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.	Phase-1 RCT-50	0.7442276		-	_	4	_	1	0.9348046	1		Ш		1.0023295
0.747258 1.1077058 1.234756 1.234756 1.234756 1.1047218 1.234516 1.2344414 1.2344516 1.234416 1.234416 1.234416 1.234416 1.234416 1.234416 1.2344	Phase-1 RCT-192	0.82691526	_	4	-1'	_	1.	+	1	L			익	1.0192975
1,087266 1,420676 1,4246082 1,4246082 1,4246082 1,4246082 1,4246082 1,4246082 1,4246082 1,4246082 1,4246082 1,4246082 1,4246082 1,4246082 1,4246082 1,4246082 1,4246082 1,4246082 1,4246082 1,4246082 1,4246082 1,4446	Phase-1 RCT-288	0.741235		0.800350	익	┵	┸	4	L	L				1.278767
1,253.5561 1,253.5564 1,253.566 1,253	Phase-1 RCT-37	1.08775	1	4	1	┸	1	Ļ	L	_	П	4	۲	0.791/1515
1,3051459 1,400447 0,9778651 0,972861 0,047281 1,042281 1,025107 1,065201 0,0530848 1,0053115 0,9778651 0,047281 0,047281 1,025107 1,065201 0,05308207 1,0053084 1,0053115 0,047645 1,003472 1,0053115 0,047645 1,003472 1,0053115 0,047645 1,003472 1,0053115 0,047641 0,047645 1,003472 1,0053115 0,047641 0,047645 1,003472 1,0053115 0,047641 0,047645 1,007764 1,0077	Organic cation transporter 3	1.253356	_1	1]	+	1	_	_	Ц			-+	0.7384596
O.879030516 O.879030516 O.89040577 O.879030516 O.879030	60S ribosomal protein L6	1,305145		L		١.,	1_	\Box	0.9857174	Ŀ	4	0.8961131	0.85050805	0.95501
Control Cont	Zinc finger protein	0.8790390		L	L	_	Ш	4	_		4	1	┸	1,5952716
1,1992468 1,1395471 1,0064116 0,9077645 1,203757 1,0054416 0,905544559 0,93540151 1,1003261 1,0013959 1,2036978 1,204425 0,23540151 0,0351642 0,0351642 0,0351642 0,0351642 0,0351642 0,0351642 0,0351642 0,0351642 0,0351642 0,0351642 0,0351641 0,05166914 0,03465164 0,03466144	Calgramiin B2	0 939895	┺	١.	┖				_	7	1	1	┸	0.775857
0.61910396 1.1670418 1.3595959 1.027985 1.028456 1.1670410 0.5191039 1.02521206 1.028216 1.028216 1.028216 1.028216 1.028217 1.028217 1.028217 1.028217 1.028217 1.028217 1.028217 1.028218	10-1	1 199245	_	┖	_		_	믜	1	4	1	Ľ	Ľ	1,2726191
Continue	Phase-1 RCI-82	0.819109	١.	_			1	_	`	-	1_	L	Ľ	1,3342508
Company Comp	Masser Rot-110	0.9139815	6 0.93621504	0.9888863		- 1	1	1	3	-	┸	1	L	0.70523834
1,1235169 1,12	Medit Pomotogre (MI H1)	0.809690	4 0.93465614	1	╛	٧.		Ţ	1	┸	Ļ		1.1053392	1.0479776
1,000,000 1,00	Dheen 4 RCT-79	0.7577411		_	_	_1	┙.	┸	┸	1	L	8 0.713394	4 0.8604278	1.1386726
0.7128596 0.72713472 0.80359159 0.80359164 1.0335067<	Sorbitol dehydrogenase	1.267166	_		4	┸	1	+	1		Ц		_	2,3762803
1,725667 1,225667 1,000017357 1,000017333 1,1777081 1,00001738 0,000017313 1,1000173 1,10000173 1,000017357 1,00000173 1,10000173 1,0000173 1,00000173 1,100000173 1,000000173 1,000000173 1,000000173 1,000000173 1,000000173 1,00000000000000000000000000000000000	Phase-1 RCT-24	0.737654	-+	4		4	4	+	L		_	-		1.243865
1,324674 1,321/1719 1,4102302 1,2302021 1,4102302 1,2302020 1,2302020 1,230420 1,2402020 1,2402020 1,240201 1,2402020 1,2402000 1,240200 1	Calgranulin B1	0.712839	٩L	_	┸	+-	┸		۳	_	_	<u> </u>	4	U./846449
1,034942 1,1635342 0,03537 0,0354750 0,045204 1,124776 0,04724776 0,0472474 0,04747 0,0474744 0,047474 0,047474 0,047474 0,047474 0,047474 0,047474 0,047474 0,047474 0,047474 0,047474 0,047474 0,047474 0,047474 0,047474 0,047474 0,047474 0,047474 0,047474 0,0474744 0,047474 0,047474 0,047474 0,044474 0,044474 0,044474 0,044474 0,044444 0,044444 0,044444 0,044444 0,044444 0,044444 0,044444 0,044444 0,044444 0,044444 0,044444 0,044444	Elongation factor-1 alpha	1.225687		4	_		┸	٠.	_					1.50605.7
1,002,001 1,001,001,001 1,001,001 1,001,001,001 1,001,001 1,001,001 1,001,001 1,001,001 1,001,00	L-gulono-gamma-lactone oxidase	1.138484	_	4	1	1	_	ㄴ	ш		_	_	1.1423203	4 2253556
1,2355586 0,70221484 0,7016313 0,7433142 1,1028597 0,8468656 0,7830487 1,0301481 1,177044 1,01056421 0,887481	Phase-1 RCT-33	4 0010	1	1	9 0.7037279	ட	ш		_	9	_	1,1333322	┸	0.9220236
0.98754885 0.9583876 0.9874286 0.9873386 0.09574885 1.0905216 1.2116015 1.4414533 1.13074283 1.13078210 1.13074283 1.13078210 1.13078210 1.13078210 1.13078210 1.13078210 1.13078210 1.13078210 1.13078210 1.1405844 1.1405847 <td>c-inu</td> <td>1 235956</td> <td>16 0.7022148</td> <td>L</td> <td>3 0,743314</td> <td></td> <td>_</td> <td>7</td> <td>١.</td> <td>_[`</td> <td>┸</td> <td>-</td> <td>1_</td> <td>1.194796</td>	c-inu	1 235956	16 0.7022148	L	3 0,743314		_	7	١.	_[`	┸	-	1_	1.194796
0.79089594 0.74991935 0.8338187 0.759089594 0.74991935 0.8338187 0.759089595 0.75908959 0.75908959 0.75908959 0.75908959 0.75908959 0.758085959 0.758085959 0.758085959 0.75	Phase-1 RC 23	0.967548	1	_		_	6 1.211801	L	_1	4		1	ㅗ	1.1013534
1.1405444 1.3653687 1.0221878 0.9224830 1.7251112 0.855326 0.0253300 0.71568434 1.3024286 0.02854144 0.02021837 0.78651254 0.0155935 0.71568434 1.3024286 0.02854146 0.027184 1.0502185 0.025952 0.0271834 0.015592 0.01559	Disco 1 DCT-349	0.7908959		_	17 0.7590648		٦,		_	┸-	1_	١.		0.8478115
1,304,226 0, 58,644,05 0, 533,776 0, 57,052 0, 56,524 0, 57,053,57 0, 56,524 1,163,586 1,0755,105 0, 52,547 0, 52,54	Phase-1 RCT-181	1.14054	\perp		79 0.9294830		_1	_	┸		٦	34 0.7862408		익
0.86849.137	Phase-1 RCT-185	1.30442		_	1005061	기			_	Γ	L	7	_	
0.88684767 0.88684767 0.886847 0.886847 0.886847 0.8868487 0.8868487 0.8868487 0.8868487 0.8868848 0.8888888 0.8868848 0.886	Phase-1 RCT-179	0.848413				10		1	┞-	ш	_	_	_	_
1.16196 1.101024143 1.5463613 1.3095041 1.3349902 1.4159894 1.5002012 1.5002012 1.5002012 1.5002012 1.4059994 1.3349902 1.4159984 1.5349994 1.3349902 1.4159984 1.5349994 1.5349984 1.5349898 1.5349898 1.5349898 1.5349898 1.5349898 1.5349898 1.534989 1.534989 1.534989 1.534989 1.534989 1.534989 1.534989 1.534989 1.534989 1.534989 1.534989 1.534989 1.534989 1.534989 1.534989 1.534989 1.53498 1.5349 1.53498 1.53498 1.5349 1.53498 1.53498 1.53498 1.5349 1.5349 1.53498 1.5349 1.5349 1.5349 1.53498 1.5349 1.5349 1.5349 1.5349 1.5349 1.5349 1.5349 1.5349 1.5349 1.5349 1.5349 1.5349 1.5349	Phase-1 RCT-144	0.986847	٩.	4	_		L	-		_	_		0.76844613	0.63766104
terrate clone 1) 1.18196 1.40299999 1.4246887 1.6792861 1.1006337 1.134686 1.5002012 1	ikB-a	1.1/144	١.	1.0	1	1_	L	ш	Ц	7	Ц.	43 0.91262114	4 4811936	
1.0134143 1.5483613 1.3095841 1.3349802 1.4159864 1.8414356 1.502012 1.5072811 1.5184801	Phase-1 RCI-225 605 ribosomal protein L6 (alternate clone 1	5	1_		ļ	L						1	1	
1.0134 43 1.040301 1.0555578		+	_		1		l	1 1	ш		1	1	4 334372	1 4611691
A 2724775 4 4477459 1 4696288 1 0.91878733 1 6348420 1 12(3)151 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Beta-tubulin, class I	1.01341					ı	26 1.1275113	3 1.3007311		_1	1,2661363		

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								100000	10000000	0 0774700	0 0000001	O SOBAMAZ I	0.04820836
Phase-1 RCT-49	0.7945655	_	0.86582243	0.8512035	0.8798802		0.94438100	0.907903	4 2547024	4 4586877	1 2132711		13416873
Calorandin B3	0.8655031	1.1343602	1.1624698	1.1199952	1.1146247	1.2154524	1.104/234	1.00/1343	1.00000	100000	00270700	0.875198	0 9682981
NADP-dependent Isocitrate dehydrogenase,	1.3686329	0.86421037	0.8876584	1.3459216	1.0799074	0.9925583	1.0859435	1.0299087	1.0402/34	216/601.1	0.321.0433	200	
cytosolic	0.0400767	0.00462422	0.0503644	0 97359616	0.9810686	0.8759034	0.76401305	0.8513713	0.8147221	0.77693635	1.047764	1.2453977	1.3867161
Octamer binding protein 1	0.8100737	4.2650674	4 5503633	1 5445105	13746221	1.6056002	1.6194117	2.870911	2.8062227		0.69262576	0.7428868	1.11165
Sodium/bile add codansponer	1 224 4827	1 3734908	1 3784744	1.1514283	1.1708428	1,2375371	12164764	1.0906173	1.3211828	1.1493859	1.2176064	1.3816337	1.2487998
71839-1 RO1-174	1 2584315	1 5543754	1.463384	1.2127694	1.2869821	1.2487524	1.2417465	1.1325608	1.3770509	_	1.1920491	1.2808238	1.1603336
Piese in company of the control of t	1 6571156	1.3102388	1.0063114	0.98530257	0.7587725	0.58406854	0.84409505		0.5647147	_	0.55623627	1000000	0.6250201
Indistro to OCT. 258	1 4500447	1.096916	1.0323867	0.9262251	1.1240284	0.9911421	0.9833454	~	0.97613794	_	-	1.0892417	1.1/63612
Equilibrative ritrobertz/Ithiolnosine-sensitive	0.8475984	0.49891117	1.0098784	0.9443255	1.0007473	1.0175515	0.7905172	0.95177394	0.8269258	0.9012228	0.60462594	0.5525800.0	0.034010
nucleoside transporter		0,00000	0030030	4 4705724	1 1438412	1 0546213	1 1429908	1.0115435	1.052943	1.1110393	0.9423315	0.9845892	0.95642245
CDK102	1.3001322	1.3908846	1.03.039	0.07778014	1 0195841	0 92973983	0.91059315	0.8969684	0.8804399	0.8966452	0.8920538	1.0289059	0.9271669
Phase-1 RCT-209	1,1153/13	1.0340362	1,042401	4 0752072	1 8283285	1 3307765	1 076803	10737691	1.3701471	1.1937072	0.8248776	0.8000133	0.67077494
NADH-cytochrome b5 reductase	1.7209028	_	1.2810440	0.8468308	0 9340932	0.84770167	0.8321644	0,91275084	0.97166336	_	0.98530644	_	1.0703322
Dynamin-1 (D100)	1.1830500	4 4795037	0 0330771	1 3021819	1 058491	0.7967488	0.7544165	0.46010378	0.4704822	0.6828545	_		0.68550175
Senescence marker protein-30	1,4334135	4 2584554	1 1479499	0.9699952	1.1533846	1.1540354	1.0218977	0.9166272	0.90109336	_	_	-	0.93328536
Prase-1 KCI-89	1005001	0 0731410	1 3370123	1 0316602	0.925545	0.90541774	0.82263494	1.0245651	0.7916251	0.68705034	1.1185747	_	1.165801
Carmine partition-Con uaristerase	4 4946740	0 57438385	0.8877937	0 9760137	0.9049048	1,3402883	0.4588147	0.8303273	0.76919085	0.59870154	0.7964272	_	0.89495873
Appra-2-micrographim	4 4350030	1 2181075	1 5448645	1 2730893	0.8883826	0.77721107	0.7250334	0.8009769	0.75723004	0.59940493	0.9813084	0.8842528	0.8715801
Apolipopratein Cili	1.133816	0 6900481	1.196563	1,2324036	1.2727754	1,5825039	1.3666398	1.2709851	1,5736364	1.6328253	1.0453055	1.1242719	1.0858508
Camepsin L sequence 2	0 05472214	1 4027671	1301691	1.4817994	1.0427979	0.9971474	1.0026091	1.1578259	1.2799314	1.0926464	1.273753	1.2834096	1.1691645
Obece 1 DCT 280	1 1878736	1.1849717	1,1805105	0.97789705	1.3682618	1,1668918	1.173028	1.2451423	1.3781716	1.3488929	0.7546521	0.73216/3	0.8631324
Fideholio 1	0 7743734	0.75875664	0.82236207	1.0620162	0.9166723	0.90650934	0.9335887	0.9452087	1.1037155	1.0017948	1.0508366	1.081898	0.8523097
Dhana 1 DCT 282	0.7181182	0.77797943	0.8323851	0.88758045	0.8727978	0.8863042	0.97701305	0.8783103	0.90428644	0.97175944	1.0488820	1.1/5/802	1.0439743
Phase-1 PCT-140	0.74846727	0.8557885	0.92486724	_	0.9932946	1.0426621	0.98876196	1.087528	1.1112782	1.0474931	1.4738464	1.6059744	1.2433410
Pidase I North Page	1 1392248	1.0189381	0.9388239	0,90173566	0.85583687	1.3334715	0.810279	0.8791432	1.0297111	_	1.0222385	0.8002830	4 000000
Office 1 DCT 287	1 1345835	1.0715379	1.2093028	1.0808703	1.0206739	0.93373746		1.0189512	1.0897343	_	1.0213089	BOC//10.L	1.0023032 0.743647.0
Dhood 1 DCT 201	0 8863582	0.7514614	0.7959858	0.95000297	0.87402076	0.78504854	9	1.0449101	0.86194458	7	0.0000239	0.12034037	0.7 10041.0
Prase-1 RC1-201	4 4078014	1 2007042	1 4362344	1,2256008	1.6549897	1.4535019	1.4000489	1.4012464	1.2751522	4	0.73248235	0.7322455	0.383/004
ATD-etimitated disconticuid-recedor	0.8399378	0.78410506	0.8749573	1.099896	0.58129555	0.87220436	0.7629155	0.65278906	0.60577834	0.7872022	0.71406204	0.9527085	1.244308
transforation promoter (Gvk)									200000	1 2240424	200007000	0 8575463	1 0326198
Phase-1 RCT-60	0.93353356	Ш	0.93339825	1.0005981	1,0991944	1.4339681	1.2039961	1.1/3//2/	1,5050007	┸		1 1577379	1.0857641
Pynysta kinase, muscle	0.89368564	1.0719582	1.177124	1.158289	1.0986661	1.3283399	1.2355503	1.0551441	1.1320001	L	ח פרפהער	0 9269387	0.9119869
PAR interacting protein	0.8200094	0.9944221	1.0216209	0.9518735	1.0961226	1.2537847	1.2469721	1.1950041	4.20004	1 2621202	4 0907082	1 1869158	0.8403223
Nucleoside diphosphate kinase beta isoform	0.749705	0.7933139	0.9347583	1.2246327	1.0655922	1.2703601	1.2076403	renoece.r	0±00007:1		10000		
	9000000	7063000	+ 0336845	0 9757027	0.8928386	1.0129519	1,0114967	1,0078114	0.9890363	므	Ш	1.0849292	0.95854324
Gaddles	0.00001000	┸	0 0048118	1 121623	1 2334747	ł.,	1,3567576	1,5138423	1.6279509	_	_1	0.9665231	77/2907
Insular-tike grown racus panding protein	0.8745734	1.	1 2457188	1,4056188	1.0461475	12	1.1026089	1.1414586		_	_		0.9970922
In the description of the second	0.0148696	1	1.0113008	0.880556	1.0506246		0.80907696	0.7492172	0.78544824	0.81821936	0.5527215	0.50914973	6,116556.0
In-right oxy-2-activities in the conference of t							_1		_	ㅗ	0.04740469	0.9360564	0 83240515
Phase-1 RCT-52	1.3536246	1.417902	1.2474116	1.4187206	1.5876675	_	-		-	7.4210210		0.43073258	0.43572506
Aicha 1 - Inhibitor III	1,541396	1,0183612	0.7721893	\Box	0.6585815			٦.	0.49048477	4		_	1 8360548
Sterol carrier protein 2	1,2378519			1.1328295	1.1813262	_1_		1.1404034	1.	1	1_	_	1,3252044
Organic anion transporter 3	0.58262235			_	1.1219102	1	1.131/321		1	L	L	0,8956276	0.9877735
Calgranulin B4	0.86525714	익	믹		1.23/3424	0.000013	4-		┸	_	L	0.88361394	0.6138848
Phase-1 RCT-182	1.189788		_		1.2028273				1		Ļ.,	0.89912176	0.9976676
Calgranulin B8	1.3114234	Л.		1.0204314	1.1412032	L		1 0867573	┖		L		1.2170534
Aldehyde dehydrogenase, microsomal	1.2392752	1.5066234	1.3230000		0.8580686	1_		1	L	0.94094044	0.9879366		1.1243243
Phase-1 RCT-128	1.38//302	4	1	-	Ľ	1		0.7132512	Щ	0.52079725		_	0.73896307
Phase-1 RCT-102	0.7889429	4	4	┸		Ļ	上.	1	L.	0.87582413	1.1954731	0.91284853	1.011237
Preproalburnin, sequence 2	1.501886	7.1314003	1	Ľ		٠.	1.0082976 0.64045817		0.8380611	0.92503843	0.6454121		_
Apolipoprotein All	1.63007.1	0.0001430	-	+-	-	╄	0.9707601	0.88187176	0.99182683		_	0.74646246	0.67437637
Phase-1 RCI-10	1 0054093	+	1.4583944	↓_	1.1949213	1.0438403	Ш	_	-	_	0.9843347	1.3895514	1,2015344
Chase-1 RCT-8	1,4841201	 -	L	┖	0.8300494	0,784564	1.0097238	0.81403923	0.7211475	0.6703909	1,142/9/0	0.82953613	1.1210102
- 1.000LL		1											

						10,000,000,000	10501	4 0074070	4 4540605	1 4403178	0.8115320	0.7780997	0.8228663
Phase-1 RCT-168	1.2298381	1.2343104	1.1066872	1.072505	1.21/4448	0.0820501	0.91610396	1 1676247	0.89513135	0.8890916	1 2805486	2.1003003	0.7446241
Phase-1 RCT-88	1.1861619	1.1855584	1.0/524	1.1036436	1.0023013	+=	0.59296244	0 8334915	1 2121047	0.8802234	-	1.6266481	1.2011054
Beta-elanine synthase	1.6396313	1.5325056	4	1.133/34/	000000		8	O BIRARARA	1 0451744	1 1165332	1.0063559	1.1497546	0.9218822
Phase-1 RCT-298	1 4291129	1.042626	٠.	0.90298015	1.0506249	1.2409704	-	1 5019727	0.6861851	0.8602003	2.0685604	2.6036627	1,8291625
Carbonic anhydrase III	-	-	-	0.7801934	4.	4 4955595	4 3302574	1 1791489	1 2853419	1.192021	1.0344296	1.0943284	0.8220951
Phase-1 RCT-291	1.237645	1.1183105	0.60/108.0	0.96/05/40	4	1 1500545	0 0834033	1 1931208	0 8923882	0.8910005	1,5218753	2.5837855	0.8891937
Carbonic anhydrase III, sequence 2	1.3809999	1.363947	1.323330	1.114/093	4	1.1000045	4 000044	1 204021	1 7533638	1.1575611	1.0579194	1.1985884	1.1208429
Phase-1 RCT-271	1.3056396	1.0356433	1.0519078	0.6565978	1.000/02	0.0073651	-	0 75289315	0.5589279	0.5498328	1,3358428	1.4679813	1,4409943
HMG-CoA synthase, mitochondrial	0.8973875	-	0.917/2624	0.0624261	+	4-	-	0.87643766	18	1	0.77208054		0.98295015
Phase-1 RCT-189	1.2686024	0.98/1813	4 2205002	4 4047693	-	-	٠.	0.9657371	_	_	1.1573234	1.1572021	1.2435855
Phase-1 RCT-40	1.0793378	1.00.1	1.3385963	1.1042032		d s	3 8	0 68479574	0.7077478	0.6801139	۰.	_	0.67524666
Urinary protein 2 precursor	1.1396357	0.7734738	0.743/181	-	-			0 7249437	0 8315134	+	╄-	0.47524655	0.3993796
Paraoxonase 1	12734405	1.1374274	1.1692327	0.8875400	1,000,0001	-	4 4777777	0.8038268			_	_	0.89408654
Liver fatty acid binding protein	1.085481	1.4900931	1.0102/62	1.2340000		1.1000000	0.0010577	0 6240844	+-	٠.	0.5048868	0.43528	0.41724223
Presentin-1	1.4709693	0.8879139	0.76308966	0.7808949		1,048000	া	0.05240725		+-	0 98398857	0.9960129	1.1665432
Phase-1 RCT-38	1.4172268	1.0950885	1.0380607	0.9196034	1.1550/23	1.018UZ	_	0.302.00	10000		7705000	O 72804R	0.817844
Phase-1 RCT-270	0.99800235	1.2422948	1.1392775	1.0750597	0.8538332	0.8622422	1.0220935	0.9343/09	0.8310574		1	0.120012	O 6427378
Transthyretin	1,3015764	1.095263	0.8814501	0.8234068	-	0.5790386	0.73263955	0.5527899	0.5254505	-		+	0.45010105
Hanatic linasa	1,11714	0.7437439	0.80211073	0.5170425	1.1308197	0.69979334	0.9047116	0.7302419	120/221	-			0.430 TO TO TO
Cytochrome P450 11A1	1.0846782	1.3403656	1.4946936	1,2273898	1.1200644		_1	1.7917359	20011103	_	0.6030302		0.02010403
Ohose + DCT-174	1.5651836	1 4563739	1.1256481	1.0500906	1.1132642	1.0293131	0.86890924	0.81957775	0.8535818	_	0.84908487	1.0616491	0.92049
Character 4 DCT 447	1 4505478	1 3799983	1 7329228	1.1531007	1.3582462	0.9438115	0.70393	0.84761375	1.1803007	_	-	1.4190305	1,0934793
Prizade I NOT 197	4 ARAGAER	1 2344115	9886888	0.9990186	1.306499	0.7925805	1.1141845	0.8439035	0.92509645	-		0.42391503	0.4968751
Phase-1 RCI-15/	4 9005939	0.0572449	4 2060872	1 3903683	1 1284412	0.0924978	1.1190656	1.0891837	0.9854227	1.0451078	0.9841422	1,0709833	1.0573484
Meianoma-associated artigen mc491	0202000	4 4 7 2 7 4 8 B	4 0020352	1 4073791	1 1336422	1 4516833	1.3602393	1.170492	1.2169627	1.3653617	1,1255708	1.0801247	1,4226772
Phase-1 RCI-12	0.05440303	. 16500244	1 9075021	4 4394330	0 98074468	1.0910873	1 0417897	1,1113588	1.1095283	1.2457852	0.73593473	0.7084752	1.0087266
Phase-1 RCT-152	0.55184165	0.2400241	0 75550400	_	0 008553	1 2080936	1 2068856	13493679	1.4388244	1.3701601	1.281665	1,3707178	1.2247324
14-3-3 zeta	0.9702546	0.7700461	0.742662	1.1033337	0.900000	0.45116067	0 7558584	0.4624288	0.6237718	342	0.75109774	0.74366	0.794523
Cytochrome P450 2C23	1.7178463	0.8776241	0.0/4/002	0.304037	٠.	7002007	4 2220008	1 2834307	1 3901398	13733089	1.3736389	1,5699555	1,7035103
Voltage-dependent anion channel 2 (Vdac2)	1.078925	1.2125319	1.285039	1.1896448	1.30330039	450,034.	7.228330	CC+507	200	2			
127 3066	0.00705456	0.0848855	1 1567302	1 2157241	1 1096146	1.0920738	1.1250215	1,3025905	1.1715695	0.9325646	1.0604428	1.006637	0.83843784
Phase-1 RCI-154	4 4020723	4 6246763	1 750RRT2	1 4134419	1 1765287	1 2513832	1.0321606	1.2658676	1.5203067	1,4159875	1.0924224	1.1141198	1,2153718
Superoxide dismutase Min	1.1920233	4 0428972	0 0801688	+-	0 80479836	1 2630084	0,77013445	1.0558499	0.7599509	0.7591396	1.2349048	1.1414587	0.9603114
Снтус	0.90433373	1.0120002	0.0001000	-	4 0454032		0.8787588	0.97389543	1.1955682	1,1115031	0.8378947	0.54823047	0.8849616
Phase-1 RCT-196	0.69939476	0.0000270	4 4870244	1 0450000	0 973 1049	1 0887344	1	1.0018926	1.0658569	1.0789777	1.0604428	1.1795504	1,5394915
Cyclin G	0.78947704	0.04553036	0.0552540	001272026	1 0748777	1 0735675	1.0406235	0.99924064	1.0332025	1.0732217	1.300785	1.2928925	1.2656833
Calgranulin B5	0.88504994	0.84503000	4.000003	0.81212020	4 0355578	4 4406015	1 1233378	1 0489068	1,1111171	0.9729443	1.0674292	1.1984879	1,1559552
p53	1.0284336	1.0344322	1.0596927	0.9946539	1.0300020	1 100013	4 0797444	1 0843917	1 2458733	1 1141752	1.0286843	0.9720383	0.87599945
Phase-1 RCT-205	0.8817756	0.77754285	0.8388584	0.00120010	4 0720570	1 0704684	4 0707036	1 1488955	1 0461162	1 2805457	1.2031827	1,508034	1.3386087
Phase-1 RCT-68	0.92837083	1.0328423	0.7023249	8010000.1	1.072270	0.0000047	4 4 4 4 10 2 4	0 85083026	0.9351861	1 0423728	1.0851798	1,5254761	1.3848845
Caspase 3	0.74508286	0.8099819	0.7463179	0.85616493	1.0409/22	4 5043290	1 3000027	1 2545874	1 5249456	1 4102197	1.1584544	0.9554512	0.96638155
Alpha-tubulin	1.1133395	1,1013197	1.110/408	1.1440805	1.3011353	1.30 (2203	4 4750400	4 200638	4 4 27 20 RE	4 2002722	1 0524868	1.023628	1,2812889
Ribosomal protein L13A	1.0370792	1.163307	1.3045912	13455061	1.0/30833	1.1000143	0.04496599	20027	1	4 0433746	1 0982697	1.1659347	1,3121263
igE binding protein	0.88144314	-	_	1.9054799	0.9289123	0.6824636	0.9113055	4 R308517	_	2 263474	0.98982583	1.2076687	1.2125387
Phase-1 RCT-39	0.58533007	0.718041	0.71233884	0.0809121	0.957.59505	1.030034	0.030334 0.9330000	0 9113588	Ľ	0.86267895	1.074618	0.9685963	1.1785523
Cofilin	1.3518732	1.3017913	1.2432621	1.2494073	4 0007407	0.0200263	0.0110000	0 7878747	-	0.8648719	1,4980029	1.9078307	2,435,522
Нете охуделаѕе	1,315695	1.5888879	1.0092330	2000100	1,000,400	4 0505343	1 0610383	1 2651303	-	13451	1.1097986	0.9567293	0.82133603
Phase-1 RCT-241	0.6691209	0.7310898	0.7531202	U.93106024	4 2000467	1.0303043	4 9998546	4 4023035	╄	1.3280592	0.69744384	0.6832528	0.5839838
Ribosomal protein S9	1,6367985	1.308577	1.489333	1.4102341	1.2002.101	4 0704075	4 0058442	4 0042010	Ľ	_	1.0526546	0.9968706	1.0177028
Phase-1 RCT-258	0.91884816	1.1367035	1.2460519	1.0930475	1.0951605	1.0/012/3	1,000,000	0.034694	┸	1	0.87850603	0.8913922	1.0997481
Argininosuccinate lyase	1.1505351	1.3509879	1.2208346	0.97422415	4.976.055.0	1 2404060	1.04 7303	1 085533	1 2957443	-	1.0166707	0.9865005	1.0710053
Phase-1 RCT-180	1.2443647	1.1696856	1.15/7052	1,1910163	75000771	1.2404303	4 4050007	1 909009	4 A58121	L	1 2529205	1 7073212	1.457863
Multidrug resistant protein-1	0.8513599	1.3866185	1.7795007	1.0307683	0.973725/4	1.5/688//	1.1630297	4 2000000	201001	4 4606083	1 47RQR78	1 6939523	1.9620122
Omithine decarboxylase	0.954625	1.2021352	12125236	1.1312973	11/25/63	1.2529/36	SOCOSOT I	1.0022033	1.25420	4 9447743	0.7194878	0.75589305	0.7385118
Thymosin beta-10	1.0111797	1.1549872	1,3219199	1.3810022	1.0041044	1.0950592	1.1065/07	1.000420	0.9700261	0.000000	1 1071669	1 1823599	1 1450472
Phase-1 RCT-72	0.79837257	0.828669	0.8570422	0.9063326	1.4427398	1.391/104	1.3/98535	0.90307303	4 0347744	1 2000589	0 8948181	0 99830157	1.0222733
Phase-1 RCT-109	1.0459566	1.1912588	12338687	1.3265098	1.1086216	1.0635175	1.181331	1.0727324	0 0267548	0 8945361	0.69658025	0.62672836	0.7535947
Phase-1 RCT-76	0.6177163	0.6621892	0.66160244	0.9516684	0.8408266	0.7649097	0.70000	1,0004130	0.3201340	0.71151378	0.5560013	0.45367903	0.63779545
Vacuole membrane protein 1	1.1080022	0.8780693	1.1242611	0.96874166	0.88226676	0.9220229	0.0202000	0.1300000	0.01033210	0.7 1 12121 2	Overage 12		
		:											

								000000	70007000	4 00000	4 0054003	4 0728892 0 0078084	A 0078084
Phase-1 RCT-158	0.7358671	0.6897951	0.8109457	0.8109457 0.91441715 0.92686236	0.92686236	0.9850338	0.8903373	1.0490086	1.0496096 0.99042004	1.0003433		4 0436746	4 0090057
Phase-1 RCT-113	0.9000228	0.83981574		0.94673026	0.9719956	1.0485756	0.97104496	1.0543324	1,000,00	1.0019/02	4 400000	2 10000	4 957400
Endogenous retroviral sequence, 5' and 3'	0.56552345	0.62864804	0.56552345 0.62864804 0.6663877	1.8134204	0.8051625	0.9944769	0.7515338	1.2096317	0.7010698	211/8//0	1.1968338	1.10304/4	201/27
CTR	200000	ı	070000	4 000000	0 7757470	1 9100052	4 0077792	1 2239356	1 2457637	1.1447319	1.3180724	1,3470939	1,7217063
Beta-actin	0.7401255		0.6703842	1.0223903		1.310002	4 054450	0/2//01		1 00479	1 064753	1 1893989	1 1685802
Phase-1 RCT-65	0.9886985		0.8506738	1.0763657	0.95349233	1230/200	oc 1 ton 1	1.1214143	1.122.3344	4 4907740	936366	4 054075B	1 2505800
MHC class I antigen RT1A1(f) atpha-chain	0.9128658		1.5554982	1.4199924		1.4196293	1.2492/40	1.020/21	1.018902	1.1397.13	4 4407070	4 4 4 4 8 4 0 0	4 3634577
Bax (alpha)	0.8780714		1.1316482	1.026579	1.026579 0.94889754	1.2040212	1.0290688	1.05/93/6	1.0912/34	1.1220024	1.1137072	-	74009347
Carbory reductase	1.0082319		-	0.98551965	0.9584668		0.91597694	1.0586959	1.1249333	0.80204	1.0128350		4 2004050
Beta-ectin, seguence 2	0.9034704	1.1367154	1.0333424	1.2497374		1.1448288	1.0333694	1.0109838	1.0595994 0.98806804	0.98806804	1.0299162	1.02/120.1	1.200,005,
Interleukin-10	0.7948611	L	0.9613979 0.87707514			1.0216693	1.1310912	1.1134707	1.1134707 0.94676745 1.0502625	1.0502625	1.299325	1.169/255	1.1/8945
Phase-1 RCT-191	0.8401624		1.0555668	0.9455711	1.2291837	1.5182964	1.2914625		1.5989642	1.3647133	1.3647133 0.83138214	0.7151828	0.9665740
Phase-1 RCT-111	0.91998833	<u>L</u>	0.8227721 0.75570065 0.91176414 1.0004549 1.0169792	0.91176414	1.0004549	1.0169792	0.997374	0.9567112	0.9663797 0.88504463	0.88504463		0.854508	0.7569292
Anomore, remitating basic profein	1 2431304		0.8936587 1,1118845 0.96937853 0.92151004 0.89403087	0.96937853	0.92151004	0.89403087	0.8205674	0.7273818	0.7273818 0.69527068	0.7054835		0.78443235	0.9007277
Cirtathing normidaea	1518813	1_	1,1123204 0.85060704	0.85060704	1.2445588 0.94034284	0.94034284	1.5200868	1.0379813	1.0393149	1.2606711	1.2606711 0.83408314	1.1503837	1.1137137
Dhasa 1 Dr. 1990	7504797	0.87959238	0.797977 0.87959238 0.854141 0.73717433 0.75608027	0.73717433		0.9364927	0.8651457	0.80338484	0.8651457 0.80338484 0.59816194	0.594977	1.2344102	1.3399453	1.2839587
Charles a Der er	0.82442083	0.8727916	0 8855947	0.8360758	0.9809959	1.0109698	0.9704788	0.94253916	0.94219184	0.9704788 0.94253916 0.94219184 0.9092993	1.0493355	1.0493355 1.0119119	1.0177362
Total Industria	1 1730448	ł	1		1.143668	0.9147995	1.0808591	1.0849711	1.0664178	1.0808591 1.0849711 1.0664178 1.1286589	1.1293199	1.4611645	1,4958245
Sufference of the Control of the Con	0.70442835	15			1-	1.4572551	1.197387	0.705369	0.705369 0.85943254 0.71490014	0.71490014	0.9824282	1.1792979	1.1774232
Sull district and the	4 076582		L			1.0146915	1.0146915 0.93378335 0.85613316 0.96838954	0.85513316	0.96838954	0.8804729	0.9596444	0.94085	0.93461883
Cagrantin by	0.0054703	┸	L		725278.0	0.870975	0.9541368	0.9384206	0.9384206 0.9371893	1.1042272	1.0197505	1,0697129 0,97106177	0.97108177
Disco d DCT 08	1 0624834	0 92400557	9	0.82508504	0.9387116	0.8260035	0.8461425	0.7875062	0.7875062 0.76493025 0.69648075	0.69648075	1.0050164	1,0050164 0,90141773 0,87498513	0.87498513
FIGORI NOT SO	0.0477585	0.0477585 0.80288753	0.861788	0.84955037	0 861788 D 84855037 D 94165653 D 90821433	0.90821433	0.9511063	0.93448913	0,9511063 0.93448913 0.88795847 0.8875327	0.8875327	1,2518944	1.2605089 1.1582246	1.1682246
Aquaponino (Acro)	407000	24,007,000	, -	0.00381872	0.09759899 0.7098726 0.09759899	0 62645817	0.43046883	0.34804508	0.7098726	0.09759899	0.3057141	0.3057141 0.27387893	0.1961258
Steary-CoA desaurase, liver	0.00040	4 2000235	4 2000225 0 07252446	4 0080210	4 2850424	1 2913198	1 2294636	1 1242884	1.3558815	1.3558815 1.1200256	1.1097777	1.1969122	1.2397716
Phase-1 RCT-64	1,3656623		0.1502/8.0			2010107	200						
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of													
treatment/control for all 24 hour predictive													
genes (Table 5).													
(2) Compound and dose abbreviations as in													
(2) Individual online comber													
(4) I Nor inflammation classification for												-	
compound-dose crosso at 72 h; ves-necr.													
necrosis observed: ves-both, necrosis with								•					
inflammation observed, no, no histopathology	Α.												
observed													
(5) Predictive gene (as in Table 5 and as													
III TOO III TAME 40)											}		

Table 29. Expression Data for 24 Hour Timepoint (1)													
			Т	1	1	7	T	1	00 00 00	DI 150	DITE 150	DI 18 150	Ot 11N 25
Compound-Dose (2)	PHEN 80	PHEN 80		PEG 5000	PEG 5000	PEG 5000	PUR 38	70X 38	8	34	8	8	2544
Animal Number (3) Liver Toxicity Inflammation Classification (4)	1334 no	1335	no 1336		no .		_	2		OU	8	2	0
Gene Name (5)									03707720	0 00704000	17069900	9858000	0.642344
Gamma-actin, cytoplasmic	0.7751247	1.0170078	0.8968741	õ	0.7898974		1.2848973	1.1303/00	4 0455403	0.03736354	0.8635014	0.8683834	0 9849822
Phase-1 RCT-145	1.5420861	1.2157737	0.94032466	1.0918947	0.9606311	4.046034	4 7257702		1 0425459	0.713088	1.0580709	1.250975	1.0838925
Gadd45	1.6145211			1.28336/4	0.0794330	0.0374993	1 0645751	13102221	1.0358194	0.9833112	1.178431	1.2139636	1.0527768
Phase-1 RCT-78	0.94829553	미	0.86331455	1.07/0109	4 0754084	1 075027	0 6996766	0.7643318	0.8229191	0.8949409	0.9425489	0.9752446	1,1569498
Fas antigen	1,6840354	1.41//804	丄	1.1404933	1.3984755	1.057463	1 225336	0.9602098	-	0.97827536	1.0913934	1.2490882	1.0232733
Macroprage meaningory protestry aprie	4 7036779	L	1	1 1542113	0.88765925	0.923847	1.2588307	1.0338233	1.0156817	1.001623	1.1787779	1.2420021	1.0504164
megnii betai	4 5080505	┸	Г	L	1,0537797	1.051076	1,0481902	1.1356007	1.0403031	1.0496986	1.2099297	1.1358478	1.0533913
Associate aminotransferase mitochondrial	0.9589611	0.3376761		뜨	0.9129949	\Box	0.988003	1.1648784	1.0713675	0.83253926	1.0221927	1.0128065	1.0038037
Caselnaloha	2.2045033	Ш		Ц	1,3797519	_	1.0266591	0.9797704	0.9948743	0.94317526	1.0719141	1.0534331	1.1083549
Malic enzyme	1,3576767		0.861408	_	1.0524114	4	0.9031359	0.9353328	4 6457769	7.1333339	0.7007603		1 0928982
Phase-1 RCT-30	0.5430726		0.4629801	4	1.1244067	0.9144617	1.7900400	1 0255019		0.9570927	0 97846586	0.9773996	1.0811031
Hepatocyte growth factor receptor	12143216		1.512188	4	0.995/58/	_	1.1420034	0.0546887		9652762.0	1 0270408	0.9867942	1,0379138
MAP khase kinase	1.1025687				1.0834298	1.03/1046	1.0012343	1 60/00/5	1 6616166	1 2285358	_	1.5125178	0,67078185
Sodium/glucose cotransporter 1	0.42227444	믹	<u>-1</u>	익	1.0926303	_	15	0.43880147	0.8140817	≃	_	0.62603205	0.8112509
Phase-1 RCT-27	1.1314412	4	_	_	1.1233213	-	0 0001178	0.961558	0 961558 0 96501106			1.0279858	1.1204293
Phase-1 RCT-60	1.5447168	1		1.20/20/1	1.1040014	4-		0.95027095	0.8360848		0.8471289	0.8022142	0.894142
Phase-1 RCT-192	0.9048307	4	0.7248219 0.8260626	⊥.	ľ	┸	ᅩ	0.9258976	┖		\simeq	_	0.9853258
Phase-1 RCT-288	4 3757352	4	1316131			丄		1.0116653	_	1.1291045	1.3615165		0.91526157
Phase-1 RCI-3/	0.85248734	┸	0.8	┸	L	┺	<u>.</u>	0	Ш	{	Ц	1.1803985	0.8002472
Organic caron transporter o	0.85519886	┸		L	L	L	1,2056105	1.000431	Н	익	1.3056123	1.1687535	0.8685022
Zine floor ambelo	0.70876265	1		1.187741	1.133443	╌		9		0.9537212	0.8500998	0.93385816	0.9741769
Cakrandin B2	0.8557377	0.9937564			ш	_	\perp		_	1.0845337	1.07/4144	1.04/2097	4 0428363
1-0	1.310517	1.6738713	1.3931935		٦	o			1.0035199	1	4		0.98868823
Phase-1 RCT-92	0.53692865		익	_1	_	4	4	4 4970970	4 4554250	┸	┸	_	1 1417449
Phase-1 RCT-115	1.8426685	-	_	4	4	4	1.3238013	_1_	_	-	┸	•	0.96532696
Matrin F/G	1.005943			0.9875332	0.87848657	0 0555433	┸	L	\perp	┸	_	┺.	0.8006151
Mutt homologue (MLH1)	0.80492294	_	<u> </u>	4	1	⊥	┸	1	L	L.	2	0.9853436	0.8895186
Phase-1 RCT-79	1.499592	1.83/1392	1.2632374	1.0100112	٢	+	┸	1_		1_		0.92042494	1.3827358
Sorbitol denyorogenesse	4 85278B	_	┸	-	┺	_	0.8608571	0.95450675	0			0.87940115 0.84163594	1.0561428
Colomodia B4	1 1109432	1	1	_	Ļ		-		_	_		_L	0.9415951
Electrical alpha	0.4718441	Ľ	1	3 0.85771114	0.85958654	Ш	\Box		9	_	- 1	_	0.8522721
L-culono-camma-lactone oxidase	0.96868867	7 0.8881233	9	5 0.5761963	_	4		1.3204004	_	1.3021693	1.3143433	0.91397077	O 9808205
Phase-1 RCT-33	0.9436566	_	. 1		_			0.92156413	0.91339/33	┸			1 495081
c-jun	1.5851939	_	- !		4	٦_	1.1534034		_	┸		Ļ.	0.9823555
Phase-1 RCT-233	0.68004024	4		0.89259820	1	0 0430064	_	┸	1	1_	_	_	1.0077785
Phase-1 RCT-36	1.0869293	_		٦.	┶	4:	[]	1	╄	1			0.92185926
Phase-1 RCT-242	1.4705359	_	Т	1.39/8821	\perp	1 0020168		┺	1	L	۳	_	1.0240157
Phase-1 RCT-181	0.7149683	-	5 1.0285153	-1	_	ľ	1	┸-	١.	Ļ.,		1,1729552	0.8063707
Phase-1 KCI-185	0.00311034	4 0.44303102	15		١	↓.	1	┖		0.89519405	1.0537909	Ц	0.8679042
Pridson Not-178	1 0707080	11179547		1_	L	0	0.94566625	1.109673	1.1624205	4		4	1.0332111
7.830-1 CO144	0.91176206	0	1	+	_	4 0.9540928	Щ	4	Ц	4	익	_	0.982654
Dhaea-1 RCT-225	0.77902836	_	8 0.83379024	4 0.8679274	0		_	_	_	_	_	0.912033	0.92749200
60S ribosomal protein L6 (alternate clone 1)	├		1.1346211	-0.9895401	0.8664298	8 0.945121	1.0044655	1.0035588	1.11138/	1.1000/20	1.203/0/4	_	
Data tribula dase l	0.9053487	7 1.041209	9 1.5332226	6 0.9906273	3 0.7412758		1,100314	Ш	ш	ш		ᆚ	0.91883874
Midfidnia resistant protein-2	1.4736279		1	ш	1,1643655	5 1.0687889	1.0602889	0.8333289	9 0.6475833	0.6938478	1.2262144	_	1.3631261 0.98022217
Military by several property		1	1	1									

Dh.m. 1 D.T. 40	40004000	4 000000	0,0000	***************************************		L							
Calorandin 83	1 6787869	15124265	1 3987917	1 1620291	0.90418114	1 0012827	0.83615047	1.0480502	1.0312035	1.0262363	1.0053183	1 2240	0.98910654
NADP-dependent isocitrate dehydrogenase,	0.6836288	10	12	0.9667488	1.1289958	1.1269422	0.9549355	1.0812529		1,1026536	1.3528653	_	1,0006584
cytosolic		_	_		!								
Octamer binding protein 1	1.1796796	ш	Ц	1.0973136	0.92527527	0.92474145	1.2966089	1.1625795	1.0539497	1.2765635	0.97550863	1.1652224	0.9456235
Sodiumble acid cotransporter	0.42440224	_		_	0.9208087	Ц	1,1837184	12177778	0.9548348	_	_	⊢	0.84064966
Prisse-1 RCI-1/4	0.79524606	_		┙	0.9710325	4	1.2323394	0.9895259	1.282749	1.3712542	1.2548008	1.0087531	1.0428594
Prisability of the property of the party of	0.75086424			0.8499015	0.8888675	_	1.0906193	0.95597565	1.4111189	1.4953321	1.1744456	1.0122144	1.0027592
Incidental polyprospirate munimase (pmk/4	0.6506805	۷.	<u> </u>	0.8768913	0.7855412	4	1.2500982	12125511	1.2161921		1.1579235	_	0.6563345
Priase-1 RCI-250	1.1059732	┸	4	0.77776016	0.8039603	-	0.9705028	0.9894408	1.2411373	-	0.94323033	_	0.98353684
Equitionally introderzyltholnosine-sensitive	0.52561474	0.6549604	0.6092755	1.0304985	1,0830164	0.88682175	1.1053175	0.98312956	0.8751978	0.8580609	0.9205711	0.7264434	0.9230696
CDK102	0 999 1652	4 4521248	0.80821778	0.09783808	0.050083	0.0720400	4 4000EEE	4 4700035	4 4030700	4 42/74400	0070017	04000777	0400000
Phase-1 RCT-209	0.77176684	╀			0.933302	1	4 4340075	1.1109023	1 0683000	0 80840EEE	1.1/00420	-	30700360
NADH-cytochrome b5 reductase	0.71081245	┸	12	0 6391691	AF04044	0 745985	0.9653674	1 2268115	1 1615638	1 4401257	1 4056770	-	0.91322403
Dynamln-1 (D100)	0.7426757	Ľ		1 0805035	0.98010804	1 12B0041	1 2631251	1 4042403	4 4546655	4 4037945	1 1444544		0.00171974
Senescence marker protein-30	0.523519	_		Т.	0.7294056	↓_	1 2950164	1 4567496	1 1480064	0 7115148	1 4083827	_	0.80024017
Phase-1 RCT-89	0.7403539		0.7265291		1.0581058	1	1 0716478	0 9623397	1 1261408	1 0327787	+-	0 80045828	0 014287
Camitine palmitoyl-CoA transferase	1.8709424		1.5115345	1,3359747	1 2053642	1	0.85613406	0.90372308	0.8579229	+-	-	0.8399287	1 1546395
Alpha-2-microglobulin	0.41066796	_	0.500155	0.88991255	0.6129791	1	0.83393927	1.0821575	0.825944	-	_	0.87308588	0 AR13275
Apolipoprotein Citi	1.1424757		1.0036926	0.8977446	0.7266086	┺	0.9834258	0.9314295	0.88339514			0.75123125	1 1150836
Cathepsin L, sequence 2	0.855082	0.8699882	0.8156406	0.8812172	1.0352339	╄	1 1170532	0.87318325	0.96134496	0.8753056		٠.	0.86525803
Phase-1 RCT-141	1.7052307	Ш	1.4972514	1.8501378	2.1751804	1.7029351	0.8483675	0.82340705	0.8118818	0.9068435	0.8827328	_	1.0544385
Phase-1 RCT-289	0.49348044	0.5667734	0.5234442	ഥ	0.76412904	0.85491127	0.82542336	0.9454408	0.8283009	+		0.58677983	1.03377
Endothelin-1	1.7655861	1.9514292	1,5392824		1,2918987	1.0728976	1.275002	1.055731	0.9660257			1.2753117	1.0153232
Phase-1 RCT-282	1.4923133	1.775318	1.3729678	0.8869149	0.9068156	0.9162484	1,2658323	1.1072381	1.0935947	_	0.88425404	1.3231083	1,0531036
Phase-1 RCT-140	1.6720767	1.557461	1.3942238		0.97595584	_	0.9917154		0.97119784		1.0578036	1.0790267	1.0582429
Cyclin D1	0.7989657		0.6326394	0.72673106	0.8327274	0.67947334	1.2481043	1.016868	1,033907	1.0500354	2.6191223	2.0147452	0.7934894
Phase-1 RCT-287	0.81237876		0.91972685		1.118187	1.0385823	0.7970577	0.8776451	0.8572715	0.87815565	0.8870113	0.78247434	1,0285747
Phase-1 RCT-281	0.4940482	_	0.6532769	0.9025582	0.78888357	0.87951046	0.46748134	0.28542545	0.4417873	0.784347	0.39858767	0,30699605	1,0242499
Refinol-binding protein (RBP)	0.45230806		0.49723008	0.7508533	1,0022451	0.9694675	0.9700575	1.1065506	1.1077117	1,2170933	1.0295526	1.0007362	0,8076551
ATP-stimulated glucoconficoid-receptor	0.7284832	0.76999533	0.8091418	0.8946337	1.1253346	1.1449839	0.9360019	0,8881673	0.9059224	1.0330625	1.1430318	0.8509271	0.89734787
translocation promoter (GyK)											-		
Tigget RCI-60	1,0033383		1.0956118	1,1549892	1,0108724	4	0.84569865	0.94876238	0.99505955	0.98113596	-+	0.83236754	0.9659949
Pythyare kinase, muscie	0.9227019	밐	0.9132966	1.8802722	1.0500202	_	1.0732787	0.87306905	0.9927813	0.7240837	1.8328377	-	0.9472378
PAK interacting protein	0.8351138	0.8470702	_	0.920735	0.87675333	_	0.8988333	1.022275	1.0279727	1.0413941	0.9575956	0.9450212	0.98150104
Nucleoside diphosphate kinase beta Isoform	0.8608511	1.0694425	0.94530976	0.80646044	1.0033407	0.81309944	1.1428217	1.0686893	1.2417622	1.3093783	1.6616473	1.661852	1.1352782
Gadd153	1 3397501	4 600070	1 2044450	4 4555718	4 0703439	4 0420224	4 OFFERRA	4 4 4 0 5000	0.00070404	4 0400007	4 40037906	4 60000520	1 0524504
Installn-like growth factor binding protein 1	1.0158424	1 2182635		1 0963703	1 1381238	1	0.9941923	0.86149377	0.72245663	0.88541824	0.0580864	0.000000	1,007,1384
CH488	1.075605	0	L	1.1841125	1.0201089	┸	0.7691484	0.819843	0.8678842	0.9555515	0 9057145	0.8208283	1 1245339
N-hydroxy-2-acetylaminofluorene	0.33773658	0.5087699	0.48030058	0.9006225	1.082015	1.1971567	1.1105255	1.0789756	1.1346847	0.81819206	0.9558696	-	0.77561325
Suriodansferase (STTC1)						4						_	
A14-4 1-41-1-11	0.6220663	0.701213	0.8903588	0.82216805	0.96248186	4	1.0604991	1.1056898	1.0875318	_	1.2265075	_	0.79139745
Stord certies protein 2	0.185/6250	81920/12.0	0.30865493	4 028 75046	0.51497895	4	0.5010947	0.7272087	0.6650058	-	0.46015564		0.7907036
Omanic anion transporter 8	0 83804004	4 3748078	7739117	1,036/39	0.02246/1	0.06778044	1.2002987	1.1358/83	1.0619388	1.0000876	1.1911036		0.98111673
Calorandin R4	0.7023516	1	0 734053	0.0932713	0.75032004	_	1.3700134	0.07030554	1001001	_	ᆜ-	4	1.0050397
Phase-1 RCT-182	0.7023315		0.731030	0.6137633	1 1400349	4	1 0250414	1 1687300	4 024800B	4 46 17227	4 0442426	0.0552524	0.9518482
Calgrandin 88	0.9800016	-	0.8533495	0.655555	0 66904867		0.9655778	1 1589131	1 0620713	1 0584564	1 1024855	ㅗ	1 0013036
Aldehyde dehydrogenase, microsomal	1.0179797	ㅗ	1.0433149	0.7985567	0.9264132	1.0234106	1.0275314	1.0598164	0.97681475	0.8841077	1.1067258	_	1.0611748
Phase-1 RCT-128	0.65255404	0	0.7240809	0.85829246	0.7573915		1.3482887	1.4294463	1.5774268	1.3951895	1.1270227	Ľ	0.97337496
Phase-1 RCT-102	1.3587829	1.1500986	0.90651226	0.6433005	0.5028794	0.4734413	0.759895	0.8703557	-	0.88839996	0.7798803	-	0.84490234
Preproalbumh, sequence 2	0.63689274	0.40874577	0.6904738	0.7885974	0.8094539		0.81010246	0.70728314	0.9021241	0.77915204	-		0.66382396
Apolipoprotein Ali	0.6481661	0.99084353	0.83568555	0.5271455	0.5756268	0.7867256	1.8059485	1.0386091	1.0843185	0.9561453	0.8712375	0.86698663	0.8483565
Phase-1 RCI-10	0.6709862	0.5903469	0.6502797	0.89473355	1.0821829	1.3477174	1.3196545	1.1120347	1,220819	0.9694618	$\overline{}$	_	0.92593306
Frase-1 RCI-48	1.1332221	0.70359856	1,2846375	0.92901945	0.59912443	0.6083315	1.3321055	1.3306913	_		1.3607554	1.6720998	0.86727595
Prase-1 KCI-8	0.57673603	0.4184849	0.690263	0.8420073	0.8383393	1.0352663	0.7205276	0.725880441	0.95410484	0.76164985	0.74081314	0.8186643 0.74240	.74240774

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Phase-1 RCT-168	0.660021	0.884811	0.90763295	0.96241623	0.9264378	1.0132192	0.6301724	0.8581650	0.86343557	0.90303047	0.7322763	0.7023345	1 1543163
Beta-alanine synthase	1 20764	0.86368644	0.8398512	0.82723824	1 2829096	1.148659	0.84695715	1.2141876	0.9755405	1,239506	1.4424802	1.131592	1.4971608
Dhaea-1 RCT-298	0.85993983	0.6412798	_	0.32238492	0.734029	0.7843578	1.171437	1.2054237	1.3876404	1.1029518	1.1496809	1.0546476	0.8720876
Carbonic antiverse III	0.6579221	0.1841041	0.58411616	0.5692562	0.33945256	0.8492595	1.3313161	1.7878973	1.2322781	0.9279815	1,5931683	1,2893487	0.4595247
Phase-1 RCT-291	1.0675035	1.1379033	0.9090218	0.7117708	0.7457681	0.76791894	1.031639	1.0547712	1.0157382	1.0039705	0.9838791	1,0691692	0.8678504
Carboric anhydrase III, sequence 2	0.5667108	0.666213	1.0931274	0.7815611	0.80307245		-	0.80692387	0.8991543	0.9750866	0.7582903	0.71836406	1,0308155
Phase-1 RCT-271	0.9197381	0.7583402	0.8139433	0.87135756	0.78492606	-	1.3053808		12246428	1.3002732	1.4238212	1.2854012	1,0111132
HMG-CoA synthase, mitochondrial	0.91298383	1.0361063	1.0483416	0.6513197	0.6286523	٠.	0.8836274	1.0447333	0.92932147	0.9902969	1.2054657	0.9308046	1.0105808
Phase-1 RCT-189	0.8940215	1.1663336	1,2709137	1.0007676	4 2200658	1.000007	0.00223770	0.0155852	-	38	0.8790186	-	0.81812924
Hass-1 Roll-40	0.037 1270	0.78500073	0.0744047	4 2585374	1 4614265	1 1283052	0 9911843	0.897929	+-	8	0.97276354	+-	0 75896
Ormanage 4	0.225443B	0.48748118	0.28178208	0 6884713		0 93017393	-	-	_	-	0.98576804	0.8308595	0,7005753
I her fath, acid hinding ample	0.40239152	0.5264782	0.71389014	0.5982145	0.8247554			-	0.81420773	_	_	0.48111537	0,6926771
Presentin-1	0.17259859	0.19875354	0.309957	0.7345707	_	+	8	_	0,67619103	-	+	0.53474665	0.8531842
Phase-1 RCT-38	0.921813	1,4052379	0.8311333	0.7317744	•	0.87428224	1.1942757	1.1176802	1.3505039	1,4675643	1.1601557	1.1753129	0.9473301
Phase-1 RCT-270	0.59730095	0.75631183	0.48375857	0.9457537		1.190398	1.0262761	1.1621456	1.0632836	0.91295856	0.9972496	0.8483733	0.73753494
Transthyretin	0.21285875	0.21396582	0.3407976	0.7236181	0.6545037	0.9452861	1.3479048	1.288237	1.1993573	0.58309968	1.3110855	1.302487	0.57776576
Hepatic lipase	0,3910347	0.43426326	0.44016546	0.664503	0.6244513	0.68597263	0.7212262	0.8440919		_	_	0.90805423	1.0174009
Cytochrome P450 11A1	1.0707425	1.4225867	1,1604066	0.6506808	0.92865187	0.96376175	1.3284726	1.4135617	8	-	0.52468514	_	0.8132473
Phase-1 RCT-175	0.6245756	0.5413659	0.7165068	0.8894825	0.9421827	1.1066927	1.4425417	1.0941454	1.0923312	0.9183296	1.4112492	1.1901182	0.90790814
Phase-1 RCT-117	1.1788768	0.8548924	0.8457238	0.9662721	1.296158	1.1448117	0.8684437	1,2388357	0.98380435	1.242084	1.43395	1.1158992	1,4738036
Phase-1 RCT-137	0.3246517	0.28647116	0.44736648	1,0339828	0.8551493	0.8925233	1.1105427	1,2337664	1,2455503	1.1979705	1.0129396	0.8419915	0.8895667
Melanoma-associated antigen ME491	1.0990117	1.3235252	1.2436352	1.1585406	1.1992077	1,367134	0.85968417	1.0414617	1.073381	1,1359566	0.90448207	0.9142397	0.82584107
Phase-1 RCT-12	0.988793	1.1604182	1.3559804	0.92362005	0.86110497	0.7859552	1,1512918	1.088557	1.0909538	1,3421401	1.1065127	1.0722913	0.9930476
Phase-1 RCT-152	0.7058618	0.9417084	0.87787974	0.98332715	0.94824296	1,1886969	1.4358508	1.2055336	1.3466654	1.1473169	1.4201219	1.3816962	0.78038555
14-3-3 zeta	1.3472115	2.0428762	1.3079387	0.9476872	0.89242613	0.83272946		0.9590102	0.9520241	1.1135389	-	-	12764939
Cytochrame P450 2C23	0.51602936	0.5058299	0.66454506	0.84236187	1.00633	-	-	0.82190627	1.0433556	0.8773744	-	-	0.99714965
Voltage-dependent anion channel 2 (Vdac2)	1.263572	1.2837512	1.2953727	1.0058327	0.94919634	1.1573129	1.4344728	1.3778384	1.3530191	1.086432	2.0538628	1.96/8106	1591/18.0
Phase-1 RCT-164	1.1625053	1.0583947	0.9765859	1.0426619	1.017515	0.9638216	0.8658128	0.91495544	1.0516373	0.9491661	1.2580551	1.1580461	1.0026473
Superoxide dismutase Mn	1.2328404	1,5455337	1.8662498	1.1657478	1,3223875	1.0918903	1.2262337	1.1822386	1.0997316	1.253161	1.4829301	1.5276966	1.1517783
c-m/c	1.8423081	2.0737143	1.584699	1.286979	1.032762	1.1537318	1.6251683	1.1507179	1.3247337	1.2174094	1.0964655	1.1176052	1.0682324
Phase-1 RCT-196	0.4898467	0.34538454	0.52773297	1.0997074	0.9192833	1.0132471	0.74751604	0.9589351	0.7142164	0.85076207	ᆵ	0.73404014	0.8588871
Cyclin G	1.829506	1.8582268	1.3973461	1.2433742	1.0795817		1.3733817	1.2240802	1,2335131	1.0193083	3.0348942	3.27404	1.0690874
Calgranulin B5	1.5035178	1.793585	1.5874289	1.1903757	1.0844952	┈	0.90514163	0.9617941	0.9837213	1.0610517	0.8917338	0.8625377	1,0124044
p53	1.1707462	1.0021985	1.0253423	0.90264696	0.8291052	_	1.357921	1.222491	1.3202843	0.99146706	1.5239137	1.3973541	0.990631
Phase-1 RCT-205	1.2586663	1,6098789	1,3608786	0.88206995	-	_	0.89997125	1.1021888	1.1120857	1.1570783	1.0365773	1.0104114	1.0370882
Phase-1 RCT-68	1.1950661	0.9561259	1.2978503	1.0494736	1.0830935	1.1013256	1.2920259	1.1587706	1.1729709	1.0420145	1.5085077	1.517062	1.0908796
Caspase 3	1.8112953	2.2256596	1.8804085	0.99387985	0.9669793	1.1012813	1.15/303	0.8360036	12072000	0.00203237	1.09/3424	1.131/082	1.102/322
Apha-tubulin	1.2641197	1.0585104	1.1330038	1.0008833	0.970703	0.7978009	0.0001204		1.0003000	4 0544775	4 2630472	4 2657664	4 0345269
Kibosomal protein L13A	0.76692665	1,5576144	1.1498544	1.0399230	0.80839070	1.048050	1.2034421	0.83042727	0.97303174	1 1446073	0.85007518	+-	0 92624118
ige binding protein	0.9835704	0.74969214	1,320/936	1.0056168	1.1103/40	1.2446031	4 2273827	:13	0.92892217	0.007368	1 3958341	-	0 9829932
Mase-1 KC -38	0.6621846	2.30397 10 0.45140646	- 2	0.93923334	0.97858	1 044321	0.828383		0.99331313	0.8558019	+-	_	0.91710126
Home contents to	3 2578213	2 1374784	_	1 323749	1 0404551	0.85887897	-	_	0.8279591	0.6583206	-	-	0.90229946
Phase-1 RCT-241	1.0871738	0.942003	0.8767905	1 1864891	13568008	1.0014869	1.0124931	0.9630087	1,0166425	1.0185623	0.95741874	1,0172418	1.0735934
Ribosomal protein S9	0.47802043	0.46371424	_	1.1296719	0.99963653	1.0017728	1.2472284	1.1852988	1.1293916	1.0733988	1.1459048	0.9726019	1,0030357
Phase-1 RCT-258	1.2105052	0.90097153	_	1,1499013	1.0764107	1.0076262	0.95971124	1.012419	1.0557699	0.9929546	1,2268956	1.0505431	1.0234112
Argininosuccinate lyase	0.5299264	0.44042695	0.70595944	1.0781267	0.83934075	0.93993807	1.1377493	1.1892755	1.1367239	-+	_	-	0.93880545
Phase-1 RCT-180	0.90055627	0.73105145	0.7775768	0.9281404	0.93233965	_	0.8582512	1.0432384	1,1505985	1.0967757	0.96478134	0.97716814	0.9022983
Muttidrug resistant protein-1	2.064454	2.0380626	1,5686344	0.88557065	1.2932029		0.91248417	0.7349091	0.6637427	0.77235585	1.2728543	1.3562922	1.1525831
Omithine decarboxylase	2.259693	2.0640047	2.1664467	1.1628684	0.85507643	0.8346332	1.130574	0.7855509	0.9002153	1.0718437	1.2900862	1.246349	1.0990022
Thymosin beta-10	0.75439936	0.6606314	0.8194007	1.0168379	0.8641281	0.88884485	1.140737	1.0670395	1.0025921	1.0346295	1.192/18	1.41/0622	1.0/86021
Phase-1 RCT-72	1.5621533	2.053513	1.3572544	2.137234	1.0103525	4 99559254	1.1484046	1.08/422	4 404 64 62	4 1838130	4 2744807	1.00224423	0.8343320
Phase-1 RCI-109	0.7789074	1.0/18118	0.9086197	0.89957	0.0401240	0.8133898	0.89541066	0 9392291	0.9795524	0.9499781	0.82132584	0.8577413	1.1453866
Vaciole membrane protein 1	0.28598607	0.25156853	0.54987695	0.88880634	1.0241232	920	0.660881	0.73900837	1,0316813	0.7374774	0.68671596	0.9852183	70989193
VOLUME CONTRACTOR PROCESSION OF													

							Carocotto o	4 0004445	0.0328087	0.0817731	1 0288397	0.9214473	1.082089
Phase-1 RCT-158	1.2036846	1.2036846 0.95292294	1.2005549	1.1991078	1.1301381	1.04/2520	0.002090	5000000		0 070841	1 0389227	0 9023994	1 043171
Phase-1 RCT-113	0.9136374	0.9136374 0.75235295 0.97793263		1.1131421	0.8903801	1.11395/4	1.11395/4 0./BUUBUU4 U.9900303	0.9900303		0.3/304	700000	0.000000	1 2064074
Endogenous retroviral sequence, 5' and 3'	0.9762037	1.1741261	1.2893927	0.78555816	0.47601545	0.6148866	0.8245942 0.97984624	0.97984624	0.796085	1,1136/20	0.0042021	0.7 303534	10000
LTR			, 000	0 5045050	CHECKER	0 5521557 0 70880806 0 5631421 0 70857626	0 5631421	0.70857826	0.6286839	0.8900166 0.98981935	0.98981935	1.0581359 0.93807524	0.93807524
Beta-actin	1.3941528	1.4223387	12038/32	2020169.0	7, 1000100	U.3301332 U.7 U0000000 U.3001424 4 0570706	0.0004474	4 0570706	0.0367474	1 0140153	1 1736362	1,1776758	0.9765218
Phase-1 RCT-65	1.1608448	1.1476623	-1	1.1/33/94	1.1283003	0.8900000	4.000004	4 4497064	4 2220580		1 4189953	1.6081971	1 1092786
MHC class I antigen RT1.A1(f) alpha-chain	0.90419998	1.8034426	1,2207135	0.8753545	0.78673077 0.8536856 1.3886651	0.8536856	1.3880001	1.142/201	4 4 700000	1 00000	2 007124	2 4508	1 0816919
Bax (alpha)	1.9108559	1.9692987	1.8977394	1.1718135	0.8674365	0.826158	1.4586511	1.13/039	1.1/82024	1,020230	4 2644407	4 4276002	0.0045502
Carbony reductase	1.188137	1.1852311	1.012857	1,4083107	1.2149515	0.9839226	1.3604774	1,1203107	1.000131	1.1200/33	10011001	2000174	000000
Reta-actin sequence 2	0.7532345	0.7532345 0.59745926	0.816336	0.9152606	1.1573838	1.1087626	0.8925862	0.9517408	1.0219064	0.8503513	0.8503513 0.81765246	0.8243312	0.9010813
Interlegio-10	1.1597526	1.8086737	1.3884327	1.2453	1.1204749	1.014022	1.0672139	0.9932983	0.9693884	1.0353397	1.0353397 0.97081244	1.0617134	1.0310900
Dheet-1 RCT-191	0.71092755	0.731363		0.87791884	0.6999713	0.6999713 0.7371354	- 1	0.8291966 0.98793536	1.0472698	1.0497805	0.9038601	1,06/92/15	1.0490393
Phase-1 RCT-111	0.6163816	0.6163816 0.75665766 0.81843087	0.81843087	0.8456523	0.74063396 0.85815203	0.85815203	-1	1.1155115	1.1155115 0.99011934	1,0365843	1.16533901	1.014655	1.07 0000
Acceptation page and	0.6477057	0.7686989	0,7422201 0.81213725	0.81213725	0.90613264 1.0891207	1.0891207	1.006167	1.1584975	1.2138932	1,0809549	1.2422269	1.1234333	C.SOSSOD4
Circles nomydaea	0.4264497	0.489633	0.5669516	0.604061	0.5786701	0.5786701 0.76778734	1.4713881	1.1184366	1.4309511	12805731	1.37693	1.6/12604	0.7308534
Dhoep 1 DCT 230	1 1768624	ľ	1.0785545	1.0845912	0.8149808	0.8149808 0.89257026	0.9168713	0.95626044	0.9168713 0.95626044 0.97698456	0.9842565	0.9389484	0.8785098	1.00/2404
Direct DOT 67	1 2RR7721	,	1.2459445	1.0510511	0.899118	0.8713805	0.9367615	0.9367615 0.96703905	1.0352607		- 1	0.9082204	1.0025098
Timborhow hudmondage	1 0723176	1_	1.3080959	1.116335	0.88801646	0.878168	1.2084645	1,1824938	1.2084645 1.1824938 1.1322019		1.1303973	1.2929962	0.9647229
Sufference former IC2	1 1282729		l.,	1,3151295 0,99719185	1.0253259	1.0055375	1.0384059	0.90919125	9	- 1	1.0948322	1.0472127	1.1241641
Sulvital Section 1	0.9702691	0 7997505	ı۲	0.7875611	1.1282861	1.1282861 0.81872356	1.3263172	1.2474449		1.4815599	1.2456747	1,3593439	1.0087268
Calgrandino	4 488878	*	4 0934978		1 1407896	1 1407896 1.0248716	1,048335	1.1027435	1.0391377	1.174786	1.3259852	1.1791644	1.0492045
Phase-1 RC 1-123	0.74783804	0 7106548	0.8427555		0.8727683	0.8727683 0.98073053	1.0845102	1.0852104	1.178307	1.1194938	⊢ I	1.1406633	1.0292939
TIGSG-1 NC1-30	4 4520077	17	1 1007558	1 1570355	1.0328603	1.0033718	1.0200423	1.1281035	1.0277059	1.0294516	1.0408634	1.1066139	0.9922711
Aquaponn-3 (Augra)	0 27526002	0.36969082	0 18000504	0.25035724	0.00000 0.0000000 0.0000000 0.00000000 0.000000		0.8718598	0.9201332	3.1352446	3,4811265	3.4811265 0.58189946	0.788544	0.92818785
Stearyl-CoA desaurase, liver	4 0454000	4 467705	4 0063575	0 75803167	0 58966446 0 86853504	0.86853504	1.5298907	1,0737313	1.031491	1.1343285	1.1195667	1.08092	1.1178
Phase-1 RCI-64	1.0404000	1	1,0900000	0.1.000010	2								
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of													
treatment/control for all 24 hour predictive													
genes (Table 5).													
(2) Compound and dose abbreviations as in	_												
Table 1.													
(3) Individual animal number													
(4) Liver inflammation classification for													
compound-dose group at 72 h: yes-nect,												•	
necrosis observed; yes-both, necrosis with													
inflammation observed; no, no histopathology	>												
observed													
(5) Predictive gene (as in Table 5 and as													
induded in Table 20)													

Table 29. Expression Data for 24 Hour													
() modellin				П	П	П	П	П	П	П	П		
Compound-Dose (2)	QUIN 25					_	STRZ 20	STRZ 20	_				TAM 50
Animal Number (3)	2545	2546	2554	2555	2556	1724	4725	1728	1/34	257	200	1 2	2
Liver Toxicity Inflammation Classification (4)	2	2	9	<u> </u>	2	2							
Gene Name (5)				4 4000004	70723200	4 94 77 74 40	4 07/0944	4 4053053	4 3470580	4 5405025	4 28K4R2	1 1183060	1 1398797
Gamma-actin, cytoplasmic	1.007058	1 1272138	0.90308124	0.9460653	0.9486363	0.82471323	0.9357027	0.9747712	0.82097584	0.86815983	0.9433557	1	1,0009544
Gadd45	1.0285738	1,2553918		0.96457124	1.1345664	1.0406842	1.0406842 0.89372355	0.8853999	0.95405614	1.1991626	0.82477885	1.1405818	1.2552423
Phase-1 RCT-78	1.1466976	0.884071	1.1764361	1.0111942	1.340157	1.1784865	1.1333748	1.0641253	1.1587545	1.0080537	1.0137249	0.9278859	0.9481537
Fas antigen	0.98199195	1.0922645		1.1587229	1.1620443	0.9737341	1.0831752	1.0543703	0.83003086	1.2039263	1.2438197	1.0052247	1.1028961
Macrophage Inflammatory protein-2 alpha	0.95078284	0.95320225	1.0361364	1.0484562	1.1070929	1.2399144	1.1228103	1 080805	1 060605 0 88709884	1.0306348		1.3250773	1.3765707
Integrin betal	1 0457218	1 0008882	١°	0 97579708	1 0530084	1 0709745	1.0714896	1.0913901	1.0621737	1.0829772	1.1568118	1.0936779	1.0143628
Aspartate aminotransferase, mitochondrial	1.0382701	0.93619347	0.827469	0.7728044	0.9003536	0.6772659	0.7837154	0.832296	0.7388211	1.0013449	1,0449861	0.9217649	0.9700559
Casein-alpha	1.0010295	1.1399251	_	1.0324124	1.0350437	1.1677748	0.9275853	1.0014448	0.7109289	0.7109289 0.73227854	0.8223189	1.2447197	1.001782
Malic enzyme	0.99662274	0.8581665	1.0879674	1.0526706	0.9240845	4 3074083	0.802/185	0.902/2904	0.9522304 0.63355660 0.63355660 0.78857857	0.700736	0.9109667	-	0.91784585
Headonth mouth factor recentor	0.915678	1 163394	_		1 2387507	1.2728457	1.0217474	1,2462012	1.0532155	1.0298302	1.0348125		1.2272801
MAP kinase kinase	1.025793	1,029203	↓_	1.0665947	1,0623115	1.0542889	1.0260231	0.8441146	1.0229635	0.9517219	0.8363824	1.0452118	1.1314787
Sodium/glucose cotransporter 1	0.91681087	0.63377894	Ш	0.8253368	0.8274127	1.0942768	0.871698	0.8328341	1.4295888	- 1.	1.3600658	0.7471703	1.1181205
Phase-1 RCT-27	0.7794683	0.8134911		1.9616985	2.0657701	2.1138368	1.8882006	1.4831718	1,4831718 0,43435245	1.6191068	1,6452559	1 0200101	0.2840304
Phase-1 RCT-50	0.99737835	1.0509244	_	1.1140054	1.0114877	1.1989232	1.01556	1.022/423	0.8354489		1.08321774	-	0.8337874
Phase-1 RCT-192	0.9028577	٧.	-	0.8834535	1.0295821	1.05/WD	1,0904047	1.0023003 0.859554	0.97002000	_	1 1160909		0.7605865
Phase-1 RCI-288	0.0550075	┸	0.8861390 0.92003193		0.9580015	1.3863744	1.081175	1.0568938	0.9879192		0.9553637	1,0673664	0.9238964
Omanic catton transporter 3	0.9441845	ㅗ	0.9929735	0.99532425		0.7656504			0.6517982	0.69690233	1.0580842	1,0326982	1.0040284
60S ribosomal protein L6	0.8693781	0	L		0.8843828		0.80323744	0.84122056	0.7798118	0.86165875	0.898274	_	0.85848466
Zinc finger protein	1.0538012	1.0487958	0538012 1.0487958 0.923312	- 1			0.9364402	0.9849331	1.1290588	1.1290588 0.86111858	0.8593413		0.9198084
Calgranulin B2	0.93609	0.94239444	0.92309976	0.8428718	0.878416	1.0917627	~	0.8970895		0.883421	1 205/205	1.1335106	4 2200742
ID-1	1.0884262	1.1371402	0.9864688	0.8374087	0.86385596	0.77399933	0.94226485	1 0568192	1.2711844	0.96210897	1.3174045	0.8363413	1.0236319
Phase-1 RCI-92	1.03002/	1.2076844	4.		1.1458597		1.0389606	1.1371324	0.6752941		0.97279584	1,2104751	1.2073487
Matrin F/G	0.90608	1	L	L	1,1225145		1.4361528	1,6683137		1.7905936	1.4665267	1,3033671	1,6091503
Mutt. homologue (MLH1)	0.9043617	ш	1.0244781	1.1389219	1.1389219 0.99258655	۱-۱	0.914158	0.8880744	-	0.7509158	0.9041011		1.3272514
Phase-1 RCT-79	0.9268618	9	4		0.89179313		0.9227959	0.97180337	0.8644332	0.9650756	4 4987702	1.0190278	4 4747074
Sorbitol dehydrogenase	1.1350863	1.0847493	1.1167663	1.1395812	1 2088901	1.6945019	1.4/1/45	1.3321403	1.3772538	1,332,192	1.6772127	1.2172887	1,5690874
Colorantin R4	1 0273162	Ľ		0.86765635 0.95478845	0.9944661	1.0301216	1.2003794	1.2537949	10	1.0561641	0.88032967	0.91516435	0.940177
Elongation factor-1 alpha	0.8673294	┖	_	0.8096444	0.94435453	0.9174719	1.0937097	0.94901174	1.1682907	1.1774758	1,0589889	0.791445	0.9046323
L-gulono-gamma-lactone oxidase	1.0204478	2	_	_	0.8898928		12334241	1.0544437	1.0589004	1.2483023	0.9609066	0.622203	1 1071083
Phase-1 RCT-33	0.9758685	1.1426284	1.1050886		1 2480403	1 0042085	1.3980014	1 8345221	1 6257607	2 243964	1.2570914	1.056444	1.4223489
Dhase 1 DCT 293	0.0750030	ľ	1	0.825282	0 84083444		0.8459181	0.9520917	1.286678	0	1.1239498	1.2186698	1.0516958
Dhase-1 PCT-38	0 9509437	٠,	1	0	0.9334667		1,2365443	1.0139662	0	0.9188324	0.8770679	1.0750036	1.0848112
Prase-1 RCT-242	1.0514591	1.1488353	<u>_</u>	-	1.0025971		0.89152306 0.85301036 0.96445155	0.86445155	0.8024417	0.8459864		1.39055	1.2406824
Phase-1 RCT-181	0.97705066	Ц	0.9814629	Щ	1.080332		1.1616501	0.8551773	0.8840938	_!	٧,	0.9909251	0.9245121
Phase-1 RCT-185	1,0391177	0.781726	1	_	_		0.87953436	0.9432334	1.5356847	1.0488269	_	0.8147/976	0.79139805
Phase-1 RCT-179	0.9538171	4	4		0.93001616		1.1375991	1.0210108	0.95322895	1.0280899	1,25/8241	4 4323374	4.075404B
Phase-1 RCT-144	0.96390766	4	4	_L	0.9722816 0.98568356	익	0.9266033	0.8378986	4 4247777	4 4352742	1.0525652	1 3144373	1 3377402
IKB-a	0.9152843	4 4060000	4 24 840845	0.821/463	0.8106334	0 5446528	1.0467317	1 5745536	1 3161542	1.0986937		1.1418269	1.0364285
Phase-1 KCI -223 60S ribosomal protein L6 (alternate clone 1)	+-	19	10		0.90515894 0.89206386		1.1607488	1.0629187	1.2991239	12546222	٦	1.0874481	0.9721289
Control of the state of	0.0500350	0.070406	4 0260394	4 2702682	1 130634R	1 7187997	1 79074	1,6202523	1.742921	1.6057833	1.8970199	1,3353855	1.3223321
Medidana maintant amening	0.000180	9	1.	┸	⊥.	1_	13122982	L.	ľ	_	1.1205508	0.8736591	0.7705308
ואות מחומל ובפופומות הוספיונים	2,000	0.000	1	_	1	J			1		ı		

Phase-1 BCT-49	0 97824844	1 DARGGAR	0.07840418	0.0308864	0.02016005	0 R0512226	0 R725287	0 02077214	0.76370037	0 76960075	0.75133777	1.066205	1 0563948
Calgrandin 83	0.9930256		0.9820188	_		0.9548402	1	1.0457737	1.023188	1.0469928	1.22459	-	0.80622556
NADP-dependent isocitrate dehydrogenase,	1.0701575	1.0487806	1.0040035	0.964446	-	0.78381294	1.0555737	0.8372254	1.012501	0.9548631	0.97065926	1.0023574	0.96430236
cytosolic													
Octamer binding protein 1	1.0866456	_	0.97677565		0.9729032	1.1466955	1.0056322	1.2806407	1.0965247	1.1845058	0.9782473	0.7500978	0.9103455
Sodiumbile acid cotransporter	1.1184043	_	0.93713516		0.72652906	-	1.075808	_	1.13/6054	-	0.8549092	0.545/214	0.5639889
Phase-1 RCT-174	0.9838028		0.9092801	٠.	0.8679339	-	0.94429/55		0.69613688	-	0.83/802//	1.1/45621	0.9632873
Phase-1 RCI-77	0.8382042		0.85031444	L	0.8088483	0.9441401	1.0786273	1.0244924	1.6146934	٠.	-		0.9009492
Inosito polyphosphate mutularase (IpmK)	0.87227046	0.9927683	_	. .	0.63020843	1.1182985	1.0955241	1.1643256	1.8084167	1,500347	1.2399260	4 200407	4 4 750502
Prase-1 RC1-236	0.87633634	0.5074574	-+-	٠.	0.6830163	-	1.1243142	1.002570.1	075077	1.21812.1	+	1.0000	1.1733032
Equiliprative nitroberzylthomosine-sensitive	1.002388	0.82169926	0.96100885	0.8252681	0.96252364	1.0478361	0.83774215	1.025239	1,3581177	1.0764098	1.0087327	0.81206906	0.15289047
CDK102	1.0639113	1.0128525	0.9750206	0.9119928	0.9658579	1.1311054	1,2255654	0.9485957	1.0345005	1.1234678	0.868834	1,0696106	0.95978963
Phase-1 RCT-209	0.9637778	0.95019495	0.8955193	0.9406372	0.9280315	0.8485032	_	-	0.78443253		_	0.87242186	0.7332911
NADH-cytochrome b5 reductase	0.9833354	0.86916363	0.9272083	1.023861	0.8765142	1.0549974	1.2129357	1.1941941	1.2834253	1,2228135	0.9933216		0.69937545
Dynamin-1 (D100)	1.0046074	1.0061039	0.9741057	7		0.83030593	0.9423155	0.9692766	0.7540751	0.8819521	0.95436	1.10437	1.1078846
Senescence marker protein-30	0.94298285	0.74287903	0.6931003	0.6638716	0.9256622	1.0774349	0.96540123	0.79748696	1,0540508	1,5200514	1.0492301	0.62081856	0.58580418
Phase-1 RCT-89	1.0229722	0.90531534	0.8845675	0.877543	0.9362536	1.0719113	1.1987218	1.0077924	1.4771751	1.3149458	1.201048	0.9079235	0.7999156
Camiline palmitoyl-CoA transferase	1.0868021	1.1992592	1.2698808	1.1410227	1.4746889	0.99084836	1.0118044	1.1892014	1.1827544	0.92650487	1.270202	1.3241549	1.2575898
Alpha-2-microgrobulin	1.2020477	0.71681833	0.81051886	0.41642928	0.8537277	0.6879095	0.79940134	1.2029265	1.6780982	1.1326364	1,5004939	0.8138441	0.5437435
Apolipoprotein Cili	1.1204582	1.171068	1,0090351	0.74594826	-	0.64524513	_	0.86821395	0.92350626	0.794842	1.0144042	0.97288316	0.8539191
Cathepsin L. sequence 2	0.94900775	0.79836977	0.8187811	0.98758876	0.97231895	1.1450361	0.9688725	0.9055718	1.4306892		0.80566186	0.5541354	0.4778928
Phase-1 RCT-141	1.0636032	1.0177358	1.422222	1.8374285	╄-	0.9831186	1.238521	0.9481752	0.88898194	1.0038115	1.1940575	1.4434525	2,3190885
Phase-1 RCT-289	1.0625752	0.9295869	0.87904555	0.8516238		0.72903645	0.84992874	0.97055334	0.938342	1.141842		0.75781333	0.66209316
Endothelin-1	0.9992819	1.0112195	1.1238045	_	1.133083	L	0.8681632	0.94012064	0.76880115	0.8267108	0.9852234	1.0163469	1.4956217
Phase-1 RCT-282	0.94506997	1,1088796	0.95240647	0.9874826	0.96943593	1.0983454	0.86973584	0.98935646	0.79607844	0.86831415	0.8926953	1.3438277	1.1132413
Phase-1 RCT-140	1.011238	1.044291	1.0207866	1.0753552	1,0696429	0.8988072	1.1746684	1.1857449	0.9605994	1.0747952		0.85161877	1.0460509
Cyclin D1	0.7620281	0.8834252		0.84079397	1.1737216	1.0278188	0.8383309	0.8499581	0.9565976	0.7941703	0.9069425		1.230495
Phase-1 RCT-287	1.1677316	0.9368616		1.0944834	1,007535	_	1.0888463	0.8959287	1.110395	1.043219	1.0032619		0.90673584
Phase-1 RCT-281	1.0230012	1.0012152	-	-	0.9940937	_	0.90071744	0.9635299	1.02/3817	0.9045475	<u> -</u>	-	0.357208
Retirol-binding protein (RBP)	1.03/8115	0.818038	0.935//09		0.84242517	_	0.91/66376	1.0385827	051210.1	0.8006467	-	-	0.000000
ATP-stimulated glucocorticoid-receptor	1.1151475	0.8172192	0.9485436	1.2045379	1.1407628	1.5375106	1.3481389	1.312052	1.621759	1.6003313	1.3418268	0.6507703	0.5/50016
Phaesa 1 RCT 60	O 91248588	O GRRAGOOA	1 0125874	1 100738	1 0436865	0.0153318	1 0211267	1.058084	1 251996	0.9691467	1.2632787	0.9358547	1.2184818
Denote tipes mede	0.06020013	0.0003874	-	0 080 11204	0 9609635	1 4318086	1 1088251	1 239278	1 1165819	1 1569284	+-	0.85302943	0 9954117
DAB Interaction amtein	0.886677	0 0896208	4-	1 0292124	0.9942618	0 9194245	1 0559258	1 0290865	1 0211519	0 9991555	-	1.1711416	1,1117691
Nincleoside diohosphate tinase heta Isoform	Ľ	1 0929718	1 119614	1 24388	1 2331465	1.1546963	1.1436331	10135412	1 2584354	1.0700525	1.1338161	1.4175729	1,5603817
manage and oceans menter with an engagement		0	:		2								
Gadd153	0.96706814	1.4260406		1.1542411	1.1382078	1.0789173	1.1404984	1.1499121	0.98885217	-	0.93949753	1.2024871	1,3005846
Insufin-like growth factor binding protein 1	0.8610951	1.1802	,	1.2431123	1.1284914	1.1971848	1.2669328	1.4227348	1.4674399	1,3085507	1.0652021	1.4124533	1.7582249
c++ras	1.2330941	0.93784416	_	_		1.1661129	1.1455288	1.1605514	1.0756544	1.0217382	_	1.060263	0.9604461
N-hydroxy-2-acetylaminofluorene	1.0369519	0.89925885	0.92438783	0.69424874	0.96485156	0.89473444	0.7487291	0.8607351	1,5697435	1.1276206	1.024573	0.74249804	0.6812911
Dhoes 1 DCT &	0.0876572	4 2252028	4 4800768	1 2641703	20080000	1 1362408	1 K653754	1 2609345	1 7661054	1 59497	1 4342971	0.92924374	0.7958777
Alpha 1 - inhibitor III	0 75893	0 62697923	_		0 6777495	0.8295482	1 1217235	1 0052762	1.5909926	1.303538		-	0.67918354
Stem carrier profein 2	0.9671007	0.96914876	-	0.91446877	1.1147645	1.1142302	-	0.89175624	1.1015567	1.1184849	0.81204474	1.0390779	1.2146794
Organic anion transporter 3	0.97397568	0.9001047		0.64836514	0.8844133	1,2361566	1.026043	1.1766984	1.5992687	1,5729119	1,0179522	0.8815925	0.7192455
Calgranulin B4	1.0181944	0.99969125	1.1806769	0.9523084	1.0404435	-	1.0776668	1.0704232	0.9660404	0.98068875	_	0.92105454	0.9676013
Phase-1 RCT-182	1.143107	0.85913014		0.9309737	0.8047298	1,23799	$\overline{}$	0.96771026	1.2275738	0.9116788	0.7936931	0.8728008	0.8199645
Calgranulin B8	0.9168406	0.9189309	-		0.91018313	1.2608978	1.1887096	1.0273874	1.3433119	1.1286194	1.101225	_	1.2059407
Aldehyde dehydrogenase, microsomal	0.9930798	1.1237926	1.0857381	0.9387663	0.9761251	0.7587779	1.2963977	1	0.8723847	1.0815/34	/80808.	_	0.65215414
Phase-1 RCI-128	0.98178543	0.9459377	-	0.7291102	0.833624	0.787941	_	_	1.123551	1.018573	1,0000001	1.11319/0	0.83481483
Phase-1 RCI-102	0.9046398	1.010012		_	0.6786662	0.6052773	_	0.55034745	1.539412/6	1.0148320			0.41102372
Preproalburin, sequence 2	4 0004007	0.8125/13		-	0.71481633	3 8	0.8643278	1.0000430	1.3090903 0 79685056	0.00011/9	0 8423544	_	0.42 10001
Phase 1 PCT 10	1.0004327	0.0140004	0.08274449	0.04040713	0.0100300	0.1032123	4 202528	0 0877539	1 1804757	1 1534973	_		0.7986479
Dhase-1 PCT-48	4 093708	1 1354841	0 0714005		0 94188994	1 0141337	1 3387886	1 1029165	1 0747241	1 5240586	1 5266652	0.8194929	0.8529981
Dhase 1 PCT-8	0.9616784	0 88938534	~	+	73994994	0.8789026	0.9786463	1.054927	1,3103769	1.0385851	1.4316384	_	0.46688408
2.10011-00011				V. C. C. C. C. C. C. C. C. C. C. C. C. C.	47 Tan Assay 16	XIII T							

					20,00	11202000	1 00017000	0110011	4 4 4 00000	4 0075004	1 4507408	0.0747604	1 8787091
Phase-1 RCT-168	0.9626336	1.0635265	1.126018	1.0954902	0.945425	0.82520/4	1.0235/82	0.020357	0 77669364	0 8670317	1 0210425	0.9071384	75413084
Prase-1 RCI -88	1.0301274	9/0//00/20	1 2453204	1 36585B	1 3498678	4 453892R	1 4724357	1 1438127	1	X	0.87108195	1,0121392	0.6965404
Desce 1 PCT 206	0.92174655	1 2038747	0.9747702	0.75234604	0.8411648	0.7363155	1.1081543	0.98496073	3896	-	317	0.87375146	0.9325886
Carbonic anthydrase III	1,0082513	0.7632411	0.53893745	0.3010709	0.8195228	1.3401947	1.0709704	1.3699516	1.7898778	1.5241112	1.7230847	0.8151803	0.3897834
Phase-1 RCT-291	1.0306625	1.1111158	0.95588124	0.96991533	0.92581695	1.1226672	1.0325527	0.8712271	1.2252909	0.9997348	0.83357924	0.9789052	0.9685076
Carbonic arthydrase III, sequence 2	1.1086942	1.1742051	0.95950806	0.82057494	0.900701		0.87870806	0.9544852	1.34045//	0.9920154	1.694/145	0.743914	0.0013469
Phase-1 RCT-271	0.9738002	0.85153868	4 4242622	0.5996124	1 0224/89	4 6453372	1 0105316	1 9199214	1 7936249	1 777397	1 6604186	0.8345499	1.0420884
HMG-CoA synthase, mitochoridia	1 1115472	1.1105241	_	1.1420656	1.0894144	0.7895531	0.90146255	1,0497507	1.0349255	1.0374464	-	-	0.82178545
Phase-1 RCT-40	1.0292321	0.9393413	0.95333666	0.87758978	0.99960196		1.1479387	1.1051462	1.5968108	1.3704922		_	0.87603307
Urinary protein 2 precursor	0.84081197	0.7839512	0.7433301	0.80252594		_	_	0.6989516	1211	0.95228785		٠.	0.6449877
Paraoxonase 1	0.89988595	0.7902314	0.8413775	8	_	_	_	0.79376924	1.4776933	1.1580447	0.85904/9	0.5455/825	0.00//30/
Liver fatty acid binding protein	0.8121716	1.03972	_	0.8452461	0.91771364	0.63484935	1.740016/b	1 0550628	1 6514783	1 7379771	14173453	-	0.7061153
Presentin-1	0.79232104	0.03020/03	0.91466204	0.75060743	0.00123200	1 1516895	1.0045294	1.0588715	1.1786852	1,2169982	1,0385798	1,2209257	1.1390448
Prizze-1 RCT-20	0.87228747	0.8571903	0.9313459	0.7765517	0.7747057	1.1562512	+	0,97343373	1.3284816	1.1876316	1,2161351	1.1075922	1.3286765
Transflyratio	0.75414246	0.78611517	0.88192785	0,49474502	0.6116468	-	555	0.78283507	1.2423944	1.0576386	1.0314531	0.45345435	0.41120887
Hepatic lipase	0.7583316	0.9481161	0.82465883	0.706828	0.77419335	0.55935204	0.6630793	0.83155406	6		_	1,0209522	0.9878028
Cytochrame P450 11A1	1.1494527	0.83229357	0.90932196	0.81863105	0.7508291	1.0726095	0.83228	0.9195428	1.2156098	_	0.87202865	0.55332375	0.9299327
Phase-1 RCT-175	0.91651344	0.9033226	0.8217822	0.79281354	0.8372471	0.82991177	1.1715301	1.0331917	1.109223	1.0987103	1,2214403	0.8273022	0.00/4//3
Phase-1 RCT-117	1.0282917	0.65180314	1.2029939	1.4547287	1.2679188	1.077324	1.385984	0.9890829	0.764007	0.7153424	0.890/3133	1.0904379	1 2777188
Phase-1 RCT-137	0.85798925	0.81906307	0.80783385	0.7396754	4 403856	0.68883866	1 0805004	0.7409305	1 0669028	0.012/033	0.8111453	0.9690505	0.8992939
Melanoma-associated antigen ME491	0.9245447	1.0245388	1,2747271	-1.001422	1,1030333	4 6624279	4 8447745	1 6903733	1 4308733	1381384	1 6210648	1.2306056	1 2250264
Phase-1 RCI-12	1.01240/3	1.022233	1.0000043	0.0254856	0.8861284	0.0665308	0 8927398	0.85144794	1,1782383	1,0025393	0.81166875	1.0241166	1.1132532
Phase-1 KCI-152	4 0734088	4 2248434	1 015000E	0.93246005	1 0861968	1 2149022	1 2562095	1 3281392	1.2118232	1,3416649	1,4342045	1.26242	0.9885881
14-3-3 Zeta O dochorno 0460 2013	0.0143564	1 1256973	0.74722856	0.78937995	0.8608718	0.6815791	0.75548583	0.6005332	0.8267623	0.8034477	0.8957005	0.6547896	72450095
Voltage dependent pains rhannel 2 (Vdar2)	0 96772325	0.9878281	1 0370538	1.0110915	1.0163696	1.4791473	1.2455173	1.2403063	1.4447078	1.2571138	1.0267018	1.0479021	0.9194485
Aniage dependent amon desired 2 (1900)												,000,000	000000
Phase-1 RCT-154	1.0677317	1.0480802	Ц	0.95676166	0.98104477	0.82646847	0.9249573	0.9491705	0.8559869	0.9516622	1.1172873	1.030/691	250825 1000
Superoxide dismutase Mn	1.2121351	1.1491693		1.2292718	1.1217158	1.5066656	12944945	1.2167249		1.2880502	1 1104004	1.1302490	1.2335401
о-тус	0.95569426	1.38997	_	1.0781676	1.0153041	0.99895644	1,0307853	1.1125144	1.0040494	0.90788343	0.737815	0.8694543	0.8656597
Phase-1 RCT-196	1.1654598	0.9112936	0.88870233	0.9413985	4 424626	4 0790467	4.0430324	1.93932694 1 MARRER	1.024409	0 8748585	1 0286954	1.3617098	1.0238127
Ovalno	0.95917356	1.1050354	1.08181/2	4 0772996	1.124030	1.01.33107	1 0282724	1 0523713	0.8665775	0.8625326	1.0656863	1,031778	1.1980288
Calgranuin Bo	1.0230404	1.10/3/4	0.00630743	0 93958785	0 97028714	0.80462958	0.82594377	0.94280684	0.748112	0,8414866	1.0803164	1.0822004	1.0518148
Division a BCT, 205	1 0224509	1 0291259	0.9850021	0.975351	0.99610555		0.976715	1.0291564	0.9717854	0.94104564	1.0489849	1.1917849	1.0237417
Dhose t BCTA8	1.069446	1,160955	1.0912114	1.0918872	1.1003314	1,2883646	12135209	1.1382283	1.0011362	1.011728	0.9167155	0.9859036	0.9088465
Caspase 3	0.912863	1.0762959	0.9956569	0.87158445	1.0251124	1.6552763	0.8423427	1,388284	0.8342526	0.82171476	ᆏ	0.97616273	1.104268
Alpha-tubulin	0.9758767	0.9851332	1.0509107	1.2716002	1.2477416	0.60945344	0.7208965	1.0939667	0.76501805	1.14213	1.0593581	0.9328755	1.3576531
Ribosomal protein L13A	1.0184661	1.0735252	1,1131294	1.1947376	1.1418567	1.1540728	1.1774577	1.1006299	0.8147422	0.9426771	1.0894018	1.0544/91	1.10/629/
igE binding pratein	1.0171276	0.94852364	0.95128024	0.9884548	1.0912433	0.9948486	1,0022893	0.9389134	0.63943444	0.8658132	0.0786254		0 97557044
Phase-1 RCT-39	0.96462244	0.9478257	1.0064684	1,0041526	7.0701338	8700000	4 4728666	1 0572165	1 1250281	1 0262122	1.3416705		0.85122484
Catiin	1.0633420	0.0881182	0.08663825	0.92357235	0.87704355	1.2609838	1.0491647	0.9968744	1,2814184	1.0916878	0.94113505		0.75652285
Dhan 4 DCT-244	1 0146104	1	+-	1 3326259	1.1794724	0.7512681	0.9577642	0.9198783	0.7921698	0.9096025	0.984166	1.2144864	0.9397647
Ribosomal protein S9	0.9434375	١.	0	1.0072409	1.015663	0.7851292	0.75079256	0.8315102	0,7200231	0.9332525	0.95334464	0.93480486	1.027136
Phase-1 RCT-258	1.0386927	0.9617715	1.5	0.98884153	0.9675319	0.87636584	1,0726936	0.9804647	0.83604324	0.83778235	1.1221821	0.9851441	1.0022857
Argininosuccinate lyase	0.99188185	1.1279936	1,0892242	1.0297531	1.0519974	1.7690759	1.774477.1	1.744718	1.77208	1,5136764	1.3133042	0.6569269	0.83425707
Phase-1 RCT-180	0.9802226	1.1095995	0.8750562	1.2420223	1.0840552	12287831	1.2865108	1.0529449	0.9915967	1.0810274	1.1543093	0.90904254	1.0307662
Multidrug resistant protein-1	1.0066806	1.0287323	1.0514964	1.0453125	1.012/155	1.4858279	1,5504433	1,6577082	1.4090886	1.5464647	1.159337	1.0745923	1.041/026
Omithine decarboxylase	0.85112405	1.0366936	1.097515	1.0889164	1.1012329	12317274	1.311825	1.1287411	1.0679945	1.062102/	1.4436003	0.87001884	0 7999874
Trymosin beta-10	1.091518	1.139363	0.9748127	1.0806097	1.0975269	0.91042785	0.92111206	0.9949377	0.7452941	0.7772508	0.86264386	0.8976727	0,98649365
Phase-1 RCT-72	0.9248243	1 000078	1.65524103	1 1692456	1 0970207	0 9470659	1 0204607	1.0680451	1.0024991	0.9742496	0.92250836	1.0363775	1.1446784
Phase-1 RC1-109	1 0451913	1 12525	1.0650586	0.9399274	1.0518935	0.8917801	0.93458784	0.9385833	1.0808346	0,9634235	1,115407	0.92896545	0.9697575
Vacuole membrane protein 1	0.9724012	0.72268176	3 0.7424507	0.7878682	0.7628506	0.7832554	0.885981	0.9807259	1.3868848	0.9348358	0.91543067	0.7742209	0.80894107
Yeardig High mains present													

								1000000	200000000	0701070	POSSEDE	1 101884	0 8018361
Phasa-1 RCT-158	1.0148227	1.1017035	0.9560567	1.0565519	1.050628	0.8269326	- 1	0.0563934 0.06236363	0.0025000		1 284078	1 1406335	1 0075788
Dhoea, I DCT-113	1.096048	1.0668063	0.9750057	1.0008209	1.1416544	1.1416544 0.93089485	1.1/08586	1.0635601 1.0976993	1,000001		0 07/00/203	4 4878352	0.9295333
Endogenous retroviral sequence, 5' and 3'	1.1840471	1.1201609	1.1097418	0.9736523	1.0721242	0.9431126	1.1513983	1.1397002	COCCOSC C	1.100002	200		
LTR					000000	4 44 59000	4 A00000BA	2 1053273	1 7297508	1.8880908	2.549134	2,549134 0,83648014	0.80573976
Beta-actin	0.9972961	1.0483242	0.9683816	1.1216648	0.9036032	1,4103095	1 6070827	1 7984816	1 487197	1.6407164	1.671033	1.1258929	1.1501768
Phase-1 RCT-65	0.0494342	0.94576836	-1	1.0945808	4/00/001	2 40 770032	200100	2 8624604	1 7928787	1 7893361	2,3595812	1.105002	1.4922587
MHC class I antigen RT1.A1(f) alpha-chain	1 038332	1.0886954	- 1	1.3138031	13111023	4 4076407	4 545664	1 5562704	1 2511672	1,2055025	1.0271983	1.0757004	0.5099394
Bax (alpha)	0.9440558	1,2334515	1.10/1482	1.2510041	1.112/003		0 08174006	1 104053	1 104053 0 80366594	0.8692865	0.98023885	1.0604358	1.1759313
Carbonyl reductase	1.0167141	0.9993196	1.0549412	1.1399/08		0.0304032	1 2081767	1 4545653	1.0725745	1.1902238	1.6365577	0.8537802	0.86911565
Beta-actin, sequence 2	1.0589771	0.9653406	٧.	1.0216853		4 3500500	1 1035737	1 3302443	1,1265173	1.1031252	1.2104101	1,3249478	1,5959098
Interleuktn-10	1.0909957	1.412309	_L	1.1564538	1.1939004	4 3072438	1 4889541	1 5967498	1.7349277	1.466132	1.6392224	1.2335364	1,3052152
Phase-1 RCT-191	1,0046977	1.0667682	- 1	277,0440		4 4 779 4 79 4	1 2448687	4 1189674	1.4987748	1.1867015	1.1867015 0.97043365	0.9520959	0.9859154
Phase-1 RCT-111	1.104604	1.1510416	- 1	1.04412/		0.7577888	0.7184358	0 7184356 0 91304314	0.9114432	0.9114432 0.84644413 0.98818298	0.98818296	0.8841368 0.69202673	0.69202873
Apoptosis-regulating basic protein	1.0422335		- 1	0.7478774	0.6284000	0.0234000 0.1021000	0.0864505	O 0864505 O 68231138	0.84944	0.84944 0.9973477	0.7399298	0.69595164	0.7437194
Glutathione peroxidase	0.89220715	- 1	0.923338	0.739487	0.70	4 5003868	1 5613377	1 1344893	0.81231797	1 5512377 1 1344893 0.81231797 0.98500335	1.1478316	0.8662068	1.0461627
Phase-1 RCT-239	0.88775057	- 1	1.1310729 0.89562657	0.9545693	1	1,300,3000	003000 1301301 0 0840871 0 73497254 0 81699175	0.0630871	0 73397254	0.81699175	0.9632534	1.0723773	1.0118941
Phase-1 RCT-67	1.0162293	- 1	_		0.9682301	4 204 8046	1 00305	4 0253415	1 00205 1 0208269	1 1031252	1.1031252 0.82766455	0.9799106	1,3011048
Tryotophan hydroxylase	0.9912008	_1	┙	1.0066165	1.1268107	1.2215010	1,00300	4 8747054	1.3550687		1.111904	0.8514434 0.63824686	0.63824686
Sulfotransferase K2	1.2202895	1.4116209	1.017352	٦	7607660.L	- 1	4 4000776	0.00007844		1_	l	1.0642334	1.1276411
Calorapulin B9	0.97826624	0.99737465	0.97826624 0.99737465 0.86068285	-1	0.941939 0.92391155	- 1	0.1000//3	0.0021014	0 74577738	1_	0.8713485	1.038028	0.89029795
Phase-1 RCT-123	1.0025271	0.7849307	0.7849307 0.95636404	- [1.068137 1.1618915	- 1	0.8700302	4 0300004	0 954448	4 0200064 0 9544148 D 8830768		1.0164827	1.0093462
Phase-1 RCT-88	1.0888531	0.94877964	1.0888531 0.94877964 1.0214226		1.0007124 0.97912604	1.1254911	1.1203130	1,0003001	0.00000	1.1253130 1.0333001 0.3344110 0.3344110		0.9508794	1.1469686
Agusporin-3 (AQP3)	1.0199194	1.0380876	- 1	0.9851961	0.9776556	0.9964916	0.9566366	0.30302104	1 0850737	0.5941888	0.5941888 0.84386516	4,4283376	3.4595988
Sream-CoA desaturase, liver	0.41482365		- 1	0.27969167	0.7803276 0.27969167 0.42932206		1034010440	4 9494778	_1_		1.1007786	1.1950738	1,4807433
Phase-1 RCT-64	1.0495988	1.1683632	1.2218869	1.2549684	1.1078914	1.2762226	1.3449407	1.3404220	1.000.1		1_		
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of													
treatment/control for all 24 hour predictive		_											
genes (Table 5).													
(2) Compound and dose abbreviations as in Table 4													
(3) Individual animal number													
(4) Liver inflammation classification for													
compound-dose group at 72 h: yes-necr.													_
necrosis observed; yes-both, necrosis with													
inflammation observed; no, no histopathology	≥												
(5) Predictive pene (as in Table 5 and as													
included in Table 26)													

Table 29. Expression Data for 24 Hour													
		П	П	П	П	П		T	T	167	THEO 25	THEO 25	THEO 25
Compound-Dose (2)								TE 150	15.150	1246	27	12	2528
Closedification 14)	1446	1454	1455	1456	124	2	2 2		yes-necr	yes-necr	+	2	}
_	2												
Gene Name (5)			00,100,	0007	4 4945000	4 052740	1 0862037	2.0713888	1.8656448	2,314668	0.85771483 0.94345105		0.74172765
Gamma-ectin, cytoplasmic	0.99291164	1.7031103	1,25/5493	1 2281488	0 89809763	0 9208353	0.94633	1.9883407	2.796879		0.89913857	0.9074849	1.0265571
Phase-1 RCT-145	1 4569982	13178833	1.3832443	1.189902	1.168446	1,2071856	1.2554624	22435951	2,4440973	ΙI	1.3429922	1.1350304	1.0493032
Phase-1 RCT-78	1.0250294	0.8199514	0.8129773	0.72549325	0.83954036	_		0.69665796	0.70472795	0.69243884	1.1118132	1.1220393	1.12002/2 1.0287813
Fas antigen	1,0973803	1.1714203	1.0758435	0.8526435	1.0978316	1.0805286	1.1664768	1.9717069	1.2646063	1.3340307	1_	0 7968088	0.9807267
Macrophage Inflammatory protein-2 alpha	1.1070485	1.7189877	1.0994583			1.1077511	1.1559607	2/2/2/1/2	1,5004020	9 0778002		0.86970586	0.9569098
Integrin beta 1	1,3333787		1.2128258		-1	0.6904718	1.13/6/52	3.42U328	1 3495806	1 3248067	0.6940133	0.711282	0.8034921
Phase-1 RCT-207	0.67633957	익	1.0251136	1.0251136 0.96116585	3.96116583 0.9303474	0.8151350	0.75330/44	1 21 74548	1 0674951	1 2904298	1,1735165	1.0928411	1.0799385
Aspartate aminotransferase, mitochondrial	1.2568682	1.2247756	4 0/36363	_L.	4 2024 F78	1 1303147	1 0824404	0.99761397	0.9021292	0.9410921	2	0.99078697	0.99322134
CaseIn-alpha	0.7594720		0.95205146		-	0.90827847	0.9187243	0.5447611	0.3621347	0.77990087	1.2946355	0.96497834	1.5915558
Malic erzyme	0.79357535	4-		Ö	1.0733263	1.0411105	1.0749074	0.4822956	0.81500494	0.42351055	_1	1.0707332	1.0471607
Prinse-1 RCI-30	1 2762105	Ľ	L			0.8016349	1.0847473	1,264,2628	1.0618539	1,1750894		0.86238825	1.0296801
NAD Upon Union	1 0612104	1_	0.9661044	┖	0.9575723	0,8280167	0.89454734	2.4855893	1.4102533	1,5998566	_ I.	0.861832	0.9337852
Sodiemfoliones cotransporter 1	0.9949049	L	L.,	1.0220488 0.92458797	0.8930279	1.0411574	1.1014422	2.2018175	1.3055642	1.3567065		1.231/285	1.29.30214
Dhase 1 RCT.27	0.62025	_	_	0.8677091 0.48681623 0.35975876	0.35975878		0.74439573	0.95861506	0.18641631	0.5094239	0.08334070	1,9079100	0.0703000
Phase-1 RCT-60	0.9577762	Ш		0.9061382	1.087121	0.98037803	1.1532407	1.1913787	1,1956064	1.1602687		0.09416034	1 2469215
Phase-1 RCT-192	1,1551164	2,2982483	-	┙	_	1.1052252	1.0898551	2.843858	2,6253677	0257077	1	-	0.88873655
Phase-1 RCT-288	0.8446645	낔	_	_		- 1	1.006/418	2 0552845	1 607621	2 120729	 	_	1.0684204
Phase-1 RCT-37	1.031145	_		1.0788693	1.1504903	1.1330002	0.001.00	3 607207	28135083	3.2252228	Ц.	0.9882798	0.9907386
Organic cation transporter 3	1.1148312	1.39339002	0.87230033	┸		1 1452229	0.9096289	3,6433098	2,9608994	3.0682132	ш	1.0325091	1.0120535
60S ribosomal protein L8	0.7449483	٢	0.9497878	_	┺-	0.8846312	0.9309457	1,0913143	1.8628906	Ц	_	0.8035369	0.9846456
Zino tinger protein	0 93827477		1	1_	1	0.8775555	0.9187243	0.98096895	1.0671216	្ប	1	1.0365173	1,0898927
	1.0457174	┺	1			1.1525378	1.1378859	1.194348	4		1.011096	4 4720042 4 200	4 20054
Dhase-1 RCT-02	0.8701373	Ļ	0,938776	0.70468616	_		1.0251029	0.2600658	4	1	0.62727	19	0.0049807
Phase-1 RCT-115	1,2109033	L				٠ı	1.0694237	0.9625519	_	Ľ	1.1548208 0.6576505	4 07455	0 0838756
Matrin F/G	2.165461	Ш	Ö	٦,	_	0.9038278	- 1.	0.6552458	0.53415/34	1 404187	_	1 0289601	0.9057379
Mutt. homologue (MLH1)	1,100588	Ц	_1	1.3310517		1.0427054 0.94578284		1./3049/6			_	١.,	0.980385
Phase-1 RCT-79	0.9587778	=	_1		_	1.20//6/	1.0824962	1.0107000	\perp	Ľ	-	┖	1.185187
Sorbitol dehydrogenase	1.176845	<u>.</u>	_1	ᇿ	4.0627024			1 1899774	L	L		ш	0.9146996
Phase-1 RCT-24	1.1664941	٠,	1.0349033	1.1102003	┸	0.6292295	0 6913829		L	L		1.0529708	1 2809793
Calgrandin B1	1.321040	4 0820484	+	Т.	╄.	_	0.7721649	3.0029964	2.1054409	ш	_	_	1.1190877
Elongation rador-1 alpha	0.301203	٦	1.		1_		0.5285399	ட	0.3215035	o	_	4	1,6550367
Description of Description of Description	1 202028	5 0.94406486		3 0.6984465		_		0.5256491	0.36780813	\perp	4		1.4344280
Sir. C	1,0999584	-	ㄴ	1.0363014	0.93483925	0.8071801	0.93102336	_	_		_	4,007,004,4	4 476444
Phasa-1 RCT-233	1,1752605	5 0.7496872	0.9724723	_		1.0213228	_	믜	٦	_	_		4 4/03550
Phase-1 RCT-36	1.0831124	4 0.95635784	1.0121739			0.9612393	_		_	0.7238615	0.855074	0.852740F	0 95883307
Phase-1 RCT-242	0.93828326	5 1.0475998	1.0915982	1		1.074609	4	1	1	1		┸	1 0237112
Phase-1 RCT-181	0.7984807		_	_		4	_	_	0.80/2/30	1	1	1	1.1403501
Phase-1 RCT-185	0.93312838	4	- 1	٧.		4	1	2 545083	┸	L	上	0,9466872	0.96698016
Phase-1 RCT-179	0.9123146		익	_1	71	ᆚ.	L	Ţ	Ļ	L	L	1.0173373	0.9628124
Phase-1 RCT-144	0.8684932	ö	4	4	٠.	ᆚ-	0.60701704	1			1	1,1736759	1.1615682
lkB-a	1.3635526	1	4 000362631	1.17.14631	1 0001178	0.08304605	-	ľ		L	1,0156213		0.8610451
Phase-1 RCT-225 60S Phosomal probein 1 S (attenuate clone 1)	1,1312357	7 1.3510758	1		_	-	╄-	ــــ	L	_	3 1.2244123	1.0639503	1.0688848
	\neg					L	_	_	┸	1 8485117	7 1 1768668	0.9050277	1.01372
Beta-tubulin, class i	1.3134574		_	_	1.0179892	- 1		2 20287	2 0402007	ı		┸	1.0227686
Multidrug resistant protein-2	0.688677	6 0.7485015	1.0400575	_	1,3277781 0,93036574	1,0131334	20878730Z		1	1		J	

						Ì				1000001	4 2404 4CE	0 6058800	0.07178733
Phase-1 RCT-49	0.968748	0.9202781	0.98477165	_	_		1.0516976	2.5147662	3.1215978	4 4635438	1 124857	-	0.94959795
Catgranulin B3	0.86502814	0.9718465	0.9505072	1.1022/64	4 9569799	0.65/115/5	-	0 59619534	0.8305724	0.84585464	١.	-	1,0307186
NADP-dependent isockrate dehydrogenase,	1.0753686	1.0433903	0.97304076	0.75854343	1.0562282	0.8400830		0.0301900			_		
cytosolic	0.95626458	0.9568953	1.2141957	1.022785	1.2343495			0.61557007	0.6776246	0.46791026	0.8814683	1,4784664	1.076934
Sodiumbile acid cotransmorter	0.6821708	0.37378594	0.9454248	0.46635324	0.90118384	1.0466179	0.8405446	0.22282377	0.37797526	0.27632254	1.046/303	1.1232232	1.1504000
Phase-1 RCT-174	1.0800724		0.75630987	_	0.8719633	1.0057838		0.67290586	1.0694826	0.7607431	1.1316561	4	1 082 1852
Phase-1 RCT-77	1.075081	1,0468069	0.645126		0.74965835	-	ol.	0.60020130	0.0013270	0.53499175	1 1209896	12	0.80347866
Inositol polyphosphate multikinase (lpmk)4	0.9288056	0.6897354	0.32711095	33097288	_	0.72/333	0.5220181	0.0/324183	0.41067332	_	0,93613476	_	1.2869605
Phase-1 RCT-256	1.428323	0.905609	0.49722555	0.58303237		0.04101000		0 300000	0.378743	-	1.0045701	1 2549496	1.1335163
Equilorative ntroberzythioinosine-sensitive	0.9187925	0.92146224	1.0908736	0.8289661	1.0384893	0.85047435	126/010.1	C75005C	2015.0				
micleoside transporter	4 040079	0.0054200	O ORGODATE	0 7045484	0.8033509	0.98491687	1.1287616	1.4740561	1,1097894	1.2621772	1.1757312	1.1719438	1.0756582
COK102	0 7101827	0.8191481	0.8562169	0.8645458	_	1.0980419	1.0394351	0.8221581	0.958732		0.92166704	0.9147459	1.0125495
Misser I Actions	0 8703757	0 6882156	0 389714		0.58420914	0.8540046	0.5816122	0.44264527	0.5835813	0.64516868	1.0696733	1.1524508	1.1908063
NADH-cytochtome to reduciase	4 4650732	0 0364267	1 0420673		1.1568547	0.7369262	1.2310212	0.50210893	0.66889584	0.7320942	0.8634897	1.0644503	1.0897633
Dynamir-1 (D100)	0 86482496	0.8458749	1 1193988	-	-	_	0.8445434	0.3265905	0.6101742	0.47566148	1.6874626	1.2577316	1.0616696
Direct to Don't so	0.84741855	0.6536114	0.9911636	_		0.94807595	0.93647444	0.7567936	0.7044188	0.89626247	6	0.9263505	1.02/801
Camitine natmitox4-CoA transferase	1.4469923	0.7905312	0.9577902	0.7256756	0.95142484	_		0.58422494	0.3884911	0.49713746	-	2 406705	1.0303177
Alpha-2-microdobidin	1.073022	0.9678986	0.557823	0.5640532	0.4579113	_	0.37085348	0.42468986	0.21964276	0.41800475	1.3423100	4 0044648	0.0039784
Applications of 11	1 0312399	0.7388774	0.5098157	0.69497395	0.43643034	0.6350741	0.5293385	0.40941474	0.45487124	0.4560681		1.0014040	4 000 7007
Cathonela comence 2	0.5572593	0.87031025	1,3191684	1.001722	1.1904118	1.1133437	1.078593	5.017635	3.5476038	3.706211	<u>.</u> †:	0.83616510	1.000/08/
Phase-1 RCT-141	1,6559703	3.8801732	1.0955677	3.6161792	1.3461076		1.1747858	5,0488195	6.6801596	3,4200528	22723203	4 2409477	1 06/7/09
Phase-1 RCT-289	0.71889156	0.6645095	0.7563637	0.5340777	0.80270065	ল	0.67024183	0.65983576	0.6/45221	0.565200	0.000000	21100171	0 0404302
Fodothelin-1	1,3525335	1,2183398	1.063722	1,5312984	1.3390218	1.2940159	1.2755429	1.3076108	1.0783933	1.380/090	0.0000000	0.043748	0.0950137
Phase-1 RCT-282	1.0069858	0.955065	1.0638406	1.1409471	1,0793868	_	1.0601852	0.9663536	1.134221	0.84030873		0 75815463	0.93773
Phase-1 RCT-140	0.78158665	0.9147931	0.9929858	1.028914	0.85697767	1.2939171	1.3231192	1.1873889	/RCROOK O	1.1141000	2 9	0.87755036	1 1741073
Cyclin D1	0.7777175	0.7765005	0.9320938	1.0610814	0.6901172	0.7158705	0.70975345	1.08602/3	0.00770043	4 7057333	_	1 0518631	0.8516503
Phase-1 RCT-287	1.0180967	0.89864725	0.9973667	0.7739282	1.0585281	0.91891927	1.08/953	1.3343143	0.86726013	4 0013681	0 7489858	0 7718812	0,8496191
Phase-1 RCT-281	0.9339507	4	0.9363305	0.858094	0.9179952		0.877050	4 40202370	4 4500405	1 3651302	1 305662	1.4080551	0.9980364
Retinol-binding protein (RBP)	0.85965943	4	의	0.659135	0.6002675		0.0201000	4 0400569	4 0563533	1 5077685	0.854223	0 97052985	1.0555563
ATP-stimulated glucocorticoid-receptor	0.7134181	0.7313564	0.8595193	0.9170622	0.883/344	0.8009239	0.01804020	20000					
translocation promoter (GyK)	,	1	4 4004000	4 3784852	1 2487835	0.967985	1 0371343	1.9995389	2.6421278	1.7978002	1.2210072	0.8998777	0.99868435
Phase-1 RCT-60	1.0319355	1.2150F00	L	0.0443246	1 1777803	1 1649499	1.1174672	3.2084875	0.9033669	2,4648018	0.88881433	0.9266922	1,0412087
Pyrwate kinase, muscle	1.050/361	1	1	1 0488288	1 116798	1 0540023	1.1270181	23314483	3,399191	2.498675	0.807394	0.9138687	1,0098084
PAR interacting protein	1 6333768	┸	1 0877124	1 2787684	0.9281398	1,2568152	0.84441894	2.4673586	2,24651	2,43,48757	0.9145323	0.8761722	1,0204362
Nucleoside diphosphate kinase beta Isolomi												_	7,000,000
0244453	0 9985122	1 2487975	1.1220376	1,2835377	1.0411322	0.9968673	0.48500437	4.319167	6.1349654	3.1438622	0.9611386	. l .	0.89392274
location city forther hinding amplies 1	1 4516193	L	Ļ	ᆫ	2.0790665	1,0016104	1.0432521	5.5840554	14.986245	4.352973	0.7623832	-	1.1234001
A Los	1.1278541	↓_	Ļ	10	0.8813387	0.7116705	0.8005546	2,0273308	0.55801326	2.4432003	1.0926784	0.8631505	4 3227203
N-hydroxy-2-ecetyfaminofluorene	0.7870834	0.82254595	1.047384	0.7346416	1.050825	0.9882862	0.9928346	0.2943599	0.26780114	0.314825/	5) ICOL'I	10000	200
sulfotransferase (ST1C1)			0.00704004	0 60503054	770008247	12128131	1 1393939	0.62100935	0.2498063	0.64823264	1,7236444	0.94559395	1.2613379
Phase-1 RCT-52	0.89005/44	0.64417964			0.39904877	0 83035773	0.43342614	1	0.43732518	0.36985916	0.5835939	1.0218555	0.69817954
Alpha 1 - Inhibitor III	4 2520272	-	-	1	0.3562285	0.67101836	0.5245183	0.4018146	0.5525958	0.5469371	1.6840054	1.2083329	0.94534016
Steroi camer protein 2	0 75020215	Ľ	1	1	1.5349834	1.2177473	1.1440436	0.7201845	0.2666372	0.59070367	0.6927095	0.97924286	0.8425502
Organic and using points of	1 1710646		↓_	<u> </u>	0.99437374	1.137895	1.1530548	0.58340776	0,394233	0.69903684	0.71161383	0.7978216	0.9310579
Dhan 1 DCT 182	0.9107778	1	1	0.7205959	0.6565755	1.0623275	0.7939815	ч	0.5780773	0.87217106	1.1661099	13786206	1.10223/0
Calorandle Ra	1,18383	1 0.9904782	_		0.6397116	0.7828183	0.67070365	_1	0.84107084	0.58898306	1.18403/4	4 2505/82	1.0140967
Aldehyde dehydrogenase, microsomal	1.0746406		3 0.7035375		0.597329	0.9005182	0.71235675	_	0.41242924	0.90134555	1.4040451	1 2484058	4 1414629
Phase-1 RCT-128	1.3001161	$\overline{}$	_	٦,	0.83087486	0.8511146	0.91045326	0.44852416	0.5020827	0.0/4400/	0 7704073	0 8436851	1 2655032
Phase-1 RCT-102	0.34537932	_	-			1.0665034	0.8520081	0.518/640	0.22202010	0.5408063	1 0950779	1 2727827	0.9115477
Preproalburnin, sequence 2	0.8851336	_	_	4	ò		0.4922002	0.9001990	0.10307712	0 112245718	0.60121924	1.0606915	1.2992802
Apolipoprotein All	0.8642942	긔.	_	4	4 0720342	1.70099384	1 0100587	_	1 0773956	1,1555555	0.7835661	1.2818285	1.2076457
Phase-1 RCT-10	0.9402416	_	4 0.99098565	0.75594835	0 7794604	0.731387	0.8033215	1.5474547	0.7114306	1.2948297	1,2694908	1.3074293	0.9902011
Phase-1 RCT-48	0.8886097	7 4	-	0.73334670	0.4329227	0.5280648	0.54564744	0.55534744	0.64157178	0.5901651	1.1282853	1,3091967	0.90584344
Phase-1 RCT-8	0.8915738	0.6812/0/30	0.3722090	_	0.404044	A COMPANY							İ

Phase-1 RCT-88 Reta-alanine synthase								2000			1	7//	
Reta-alanine synthase	0.599474	0.7434347	1.7289752		0.8759294	1.2718333	1.1560131	0.28780188	0.6176507	0.39787993	1.1241212	1.0079993	1.0481205
	0.8409018	0.9224534	0.68339753	-	0.5797571	0.4244375	0.4979242	1,4456936	0.79252326	1.0178907	1,7114356	1.0206022	.58257043
Phase-1 RCT-296	0.91864336	0.46471065	0.13524258	0.38421887	0.73510903	1.1982679	1.115162	0.35849938	0.24109083	0.4301213	0.95154315	1.1304826	1.2382525
Carbonic arthydrase (i)	0.9930639	0.45347986	-0.30315575	_		0.31889206	0.5052283	0.04207896 0.015505933	0.015505933	0.082394425	1,824037	1.5974911	1.1194391
Phase-1 RCT-291	1.1316181	0.8774033		883	0.74529505	0.9820863	_	0.8062863	0.902847	0.87239134	1.2453846	1,1348339	1.1891232
Carbonic anhydrase III, sequence 2	0.4961877	0.6340634	-	-	0.45893747			0.13030203	0.27015242	0.2641058	1.5617844	1.2000737	1.0854533
Phase-1 RCT-271	1.0379547	0.7890435		0.72362304	1.0286099	0.9843827		0.56588453	0.22911559	0.7852426	0.8939597	_	1.3496933
HMG-CoA synthase, mitochondrial	1,6682396		-	_	0.58493125	0.7263891	-	0.69297767	0.7638474	0.6023712	0.7723867	-	0.89983477
Phase-1 RCT-189	1.0086601	0.86215925	ğ	8	0.51827188	0.7131696	0.516619	0.775351	0.5634856	0.9121578	1.2801281	-	0.9831485
Phase-1 RCT-40	0.95185345	0.9525846	_	-+	-		0.9519676	0.8103631	0.7407968	0.9397186	1,2052593	-	0.99159724
Urinary protein 2 precursor	0.9184261	1.0888848	0.8717527		-	_		0.82637113	0.6378441	0.7316048	0.9808198	1.2819902	1.0638522
Paraoxonase 1	0.6813728	0.5616092	0.8349367	-	0.54607505	0.9099295	6	0.61704767	0.6435435	0.58686954	1.1134846		1.0779529
Liver fatty acld binding protein	0.87833184	0.7253481	0.55289084		-+	0.8858043	0.5730922	0.36734495	0.16931964	0.18752265	1.0042108	-	0.75088656
Presentin-1	0.8983194	0.40765655	0.3724867	-1	-	0.90945196	-	0.3978414	0.45639774	0.35632867	0.6194165	1.0833715	0.730748
Phase-1 RCT-38	1.4148434	0.9786336	0.5295794	0.7466947	0.50293124	0.8175852	0.5394413	0.48665962	0.39210495	0.5153089	0.9296822	1.1863319	1.3534489
Phase-1 RCT-270	1.2588646	0.80782604	0.9569037	1.054815	0.6542483	0.8770163	0.94223577	0.84191597	0.56527764	1.0668179	1.128376	1.0547317	0.7465306
Transthyretin	0.76870203	0.631299	0.28876987	0.28587788	0.2709392	0.60296863	0.3738904	0.48555225	0.34204984	0.440925	1.0732299	1.2006359	0.7901817
Hepatic lipase	0.98958886	1,0255903	0.91407144	0.81146157	1.2050674	_	0.82217395	0.30945966	0.33132225	0.33757845	0.98649883	1.113921	0.8597364
Cytochrome P450 11A1	0.83782536	0.46511787	1.0661983	8	1.3182738	1.1469333	1.1662962	0.3550728	0.38484	0.30262575	0.9178693	1.1824493	1.0819167
Phase-1 RCI-175	0.8212492	0.8661257	0.6468104	0.7309632	0.58643254		0.720714	1.0874987	0.8011071	0.87723064	1.3143486	1.188747	1.1992792
Phase-1 RCT-117	0.8779927	0.9376597	0.9134932	1213156	=	2	0.78010976	1.3469433	0.8523306	1.003985	1.5250432	0.95528877	0.6062916
Phase-1 RCI-137	1.3151113	1.4324815	0.9067442		0.59969044	0.91352236	0.695694	1.0044543	0.8107134	0.94017386	-+	-	1.0157923
Melanoma-associated artigen ME491	0.8069743	0.895231	1.0006887	0.93458724	1,0849781	1.1741955	0.9064989	1.6761239	2,690,7697	1.1217319	0.8408794	0.94241387	0.83420607
rasse-1 RCI-12	1,2145/56	1.4580699	0.23886902	1.0531036	1.0736146	0.84114105	1.0268844	1.478154	0.98620456	1.6113869	1.1258504	0.9223123	1.0063523
1139-1 KCI-152	1.0/60983	1./324953	1.0664618	1.5580669	1.4061828	1.4450384	1 24 75076	3.41956/3	3.464456	3.2163/63	0.70070	1.083952	1,1544/88
Odochmme DASO 2023	0.67738974	O SERTABE	0 707074	0 335080	0 64874868	0.8748036	0 7087748	0.6010441	1 0077412	0 0860400	0.03552214	1 (707373	0.0667042
Voltage-denominal anion channel 2 (Voltage)	1 0475874	1 1535925	0 98544224	0 9683782	0 7689385	0.7500757	0 822817	2 130078R	1 1552148	1 0049587	1 300492	1 1593333	1 3842819
,													
Phase-1 RCT-154	1	1.0105553	0.98119056	1.1205436	0.8420867	=	0.99136364	2.04064	2,2405696	1.6209718	1.0236444	0.92600864	1,0449244
Superoxide dismutase Mn	1,1978778	1.468042	3.506713	0.892983	1.2285683	0.92955834	0.7700395	2.8805702	1.2925397	2.1549284	1.3846544	1.0474403	1,0844388
с-тус	1.054029	1.2253023	1.0831221	1.1514273	1.2483193	0.7256792	1,3030969	2,3030853	3.6104088	1.6796997	0.86865705	0.948238	2.1428418
Phase-1 RCT-196	0.83542794	0.98143643	1.0221893	0.957783	0.9606025	1.0091447	1.0914168	1.0130168	1.6143878	-	0.69251156	0.75787586	0.7934595
Cyclin G	0.86985075	0.77557826	1.1054544	0.8352638	1.1674308	1.0757862	1.1428696	2.5818644	2,4444077	-	0.97064924	0.9825627	1.214957
Calgranulin B5	0.8344095	0.9804692	1.0346667	1.0751868	1.1388588	-	1.105077	1.2912143	1.7186878	1.1956623	0.8883114	0.93915296	1.0524352
253	1.04403	1.5/1834	1.0149907	1.4867473	0.9160713	ø	0.97553086	2.1979454	2,333/293	2,5007539	1.0650896	1.0654161	1.101488
Hase-1 KCI-205	1.0239158	1.4/51191	1.0437727	1,7260/16	1.1589204	٦t:	1,066581	1.38/6686	1.49//33/	1.3650494		1.0065000	1.0050351
Crease 3	1.1110419	1.1001/13	1 2/2/577	1.1146/49	1.0010678	4 29483907	4 224 3284	1.35218/4	2.1911/11	4 432538	0.8978102	0.89401383	0.0553233
Alpha-filmilin	1 2990247	1 9158734	1 0214727	1 17913	0.8722385	0 9432794	1 001938	1 041385	0.707077	_	1 1738698	0 94 10509	1 0472289
Ribosomal protein L13A	1.1340872	1.4832586	1.1533147	1.1264385	0.7074159	100	0.89285934	2.706431	1 6055487	2 2288035	1.0944556	0.9489824	10436583
IgE binding protein	1.0424714	1.2960093	1.2473719	0.9048504	1,2871315	+	1,0135958	1.551265	2.0679865	1.1396853	1.059774	0.8526317	0.9266123
Phase-1 RCT-39	0.9963913	1.1614972	1.1849044	1.3134143	1.1153663	1.129135	1.0298624	1.4951581	1.7632052	1.5089498	0.7388039		0.89521205
Cofilin	1.0178592	0.8394011	0.6409223	0.6461364	0.9403794	0.906169	0.9861858	0.94760484	2.0307536	0.90919244	_	-	0.96775216
Heme oxygenase	0.7813662	1.4459096	1.1873052	1,287448	1,9962523	1.4924505	1.7022004	1.3794575	1,7603893	0.95273848	1.3555529		1.0706968
Phase-1 RCT-241	0.7625151	1.1717186	0.99878156	1.248113	1.1315999	-	1.173317	1.2062521	5.1566067	1.2833571	0.75380504	-	0.90195835
Ribosomal protein S9	1.136326	1.3249532	0.9872906	1.5865046	잉	-	0.87668884	3.9799404	3.1277268	3.3447332	0.9671615		1.131555
Phase-1 RCT-258	0.67638224	0.9239843	0.8758999	_	-		0.9465278	1.8378503	1.6964399	1.7185172	0.0830429	0.8752708	0.97017056
Agintiosucarate lyase	0.940304/5	0.83147.204	0.60317445	0.0037889	0.60160476	0.71095306	0.59923895	1.0434442	7.7828134	1.6270311	1.0276507		0 80500815
M. Widnes exclusion contains	0.770242	0.000	4 0000044	200000	4 0600634	_	1 000 1507	20446496	20057548	2 1	- 17	+-	4 0420523
Omithing departments:	4 0675385	4 8082408	1,000001	0.7335200	1,000001	4 4777480	4 4022007	2000000	2 70448	-	4 0720340	4 4 4 8 6 7 8 3	1 1505346
Thymosin beta-10	1 0447135	1 1974297	0 8963423	1 128062	0.9615769	1 0056243	0.8072347	1 2492478	1 054894	0.9320112	1 0193958	0.92925507	0.97392094
Phase-1 RCT-72	0.9102406	0.9880831	1.1420139	0.9626055	0.99463964	1.0347376	0.9567167	0.9813537	1.0477194	0.97315735	0.8382592	0.94058454	0.92679274
Phase-1 RCT-109	1.1651517	1.233815	1.0833348	1.1809543	0.7108585	0.9830119	0.8203491	2,7390962	1,4874567	1.7395225	0.9978514	0.89044327	1,0015383
Phase-1 RCT-76	0.9273359	1.0909195	0.9513927	0.97329515	0.9256009	0.96890473	0.89533997	1.0587681	0.94238406	1.2733823	0.7358746	0.714779	.88930136
Vacuole membrane protein 1	0.96666247	0.9996165	0.68713105	0,8495726	0,7547592	1.0566658	0.9565863	1.0043116	1,9596573	0.8205028	1.0529273	1.0611801	0.9776723

	0.00074707	0 9794487	4 04850	4 0525323	4 1051684	1 1208496	1 2293366	1 1213176	1 8074675	1.1364514	1 1364514 0 69790673	0.7849749 0.82831925	0.82831925
Pridate 1 RCI-130	0.000000	4 4505540	4 0283407	4 2448302	1 2100608	1 1017714	1 1604939	1 1518381	2 843895	1 2745527	1.2745527 1.0566747 0.82768446	0.82768446	0.91624373
Phase-1 RCI-113	1.9653003	1.1000040	4 7970777	1 2000263	0.0325568	0 8867877	0 0106064	1 0842069	0 6936452	13325577	1 3325577 0 72836083	0.8801769	1,0072074
Endogenous retroviral sequence, 5' and 3'	1.2856004	709/10/7	0178267	000000	0.555550	70,000.0	500.60		-				
LIR 10-15-141-	0.0072004	4 4589700	1	0.8151010 0.03507856	0.6961991	0.47982517	0.5812687	1,8195095	0.9485761	1,6375195	1,6375195 0.96469583	1.1465247 0.82351494	0.82351494
Deca-ecui	4 9070790	4 4004252	1	4 0/81574	1 0004137	0.88783504	0 9705321	1 3006688	1 4564623	1.4998978	1.4988978 1.2157156	1.1964607	1.4172748
Phase-1 RCI-65	1.30/0/30	1 4028356			0.96274686	0.6223582	1,03509	1 205839	1.0519085	1.1772355	1.0981508	1.1715822	0.9941532
MINO GASS CARRIED IN LA COLOR	0 6888040	0.4469287	1 1551467	0.5194896 1.0758749 0.83881375	1.0758749	0.83881375	0.9943155	1.3634481	1.2035679	1.2662263	1.2662263 0.96220034	0.9178671	0.9759055
Contract and others	4 488422	1 1105373	1 0789106	1 1485449	1 0026492	1.0103858	1.1113406	1.1547201	1.1931348	0.8869779	0.8869779 0.87457454 0.92264134	0.92264134	1.0041983
Bots actin segrebbe 2	0 7929627	0.9725892	1 -	0.807259	0.6381227	0.7146542	0.6754232	0.6754232 0.59219027	0,36602584	0.60549194	1.129411	1.1149791	0.9545365
Interdentin 10	1 5218132	1 3843486	0.9687579	1.1245987	1.1291981	1.0974166	0.9140449	0.8656834	1.1697723	1.1146944	1.1146944 0.88834476 0.72728664	0.72728664	0.8361269
Phase 1 RCT-191	13182726	1,0018103		0.8543958	1.2947253	1.2947253 0.85026294	1,0040449	1.0463908	1.1161467	1.0215257		1.0365446	1.1705821
Phase-1 RCT-111	1.0049665	1.0792477	1.0792477 0.87328446	0.8702738	0.8658953	0.8656953 0.81927305	0.8222976	1.0400956	0.9197337	1.1744232	- 1	0.8871905 0.92933816	0.88580537
Acontreis-pendating basic embein	0 94585145	0.8478579	0.8479579 0.14060186	0.7583969	0.5927621	0.5927621 1.0469846 0.92558044	0.92558044	0.8067739	0.58697766	0.7946529	1.1388778	1.099742	12295785
Chathing penyidaea	0.70921296	0.56282103	0.70921296 0.56282103 0.34651706 0.57334197 0.39203542	0.57334197	0.39203542	0.8611652 0.50938854	0.50938854	0.43088886	0.3418812	0.4946183		1.0412313	1.003875
Phase-1 RCT-239	1 4891381	0.81995887	1 4891381 0.81995887 0.86055446 0.76957566	0.76957568	0.9044849	0.8737975 0.86452895 0.69962764	0.86452895	0.69962764	0.80802435	0.7033839	0.7724565	0.85406375	0,8836891
Phase-1 RCT-87	0.84112775	0.8307974	0.9862324	1.0540438	1.0913888	0.9833992	1,1209315	1.0829761	1.0979708	1.200964	1.01195	1,01195 0,92331916	1.0152242
Tretonban hydroxylasa	1,2394677	1.2382232	1,1380172	0.884585	0.8914683	0.8914683 0.81890696	1.044444	1.044444 0.49522278	0.63108337	0.5019557	1,4867592	1.186986	0.952556
Sufformsferase K2	0.8554385	0.58572497	0.8554385 0.56572497 0.98392344	0.6103121	1,1249838	1.1249838 1.0146748 1.1604939 1.0058545	1.1604939	1.0058545	0.47548077	0.98447335	0.881584		1,5612168
Calcrandin 89	1.01822	1.01822 0.97471607	1.0170873	1.0170873 0.97908646 0.81933755 0.80388063 0.87943673 0.73835788	0.81933755	0.80388063	0.87943673	0.73835766	0.81983125	0.8921588	1.0142531		0.97228086
Phase-1 RCT-123	1.104524	1.0499054	1.0430107	0.8665757	1.165228	1.0978544	1.1859434	1.0546218	0.92030174	0.9318368	0.7506227	0.9996912	10542737
Phase-1 RCT-88	0.9597548	0.857752	0.9695478	0.8589147	1.0889058	1,0867807	1.1090204	1.1090204 0.92426395	0.97531635	1.070093	0.8431388	1.0497069	1.0405418
Agusportn-3 (AQP3)	0.96807986	0.9455405	0.9455405 0.98837125	_	1.1656752	1.0640057	1.1819235	1.1819235 0.9022655	0.78619874	0.8339192	-1	1.033b107	l czcolu,
Steary-CoA desaturase, liver	4.777615	1.6423993	1.6423993 0.79079175		0.63657844	0.4812248	0.6392986	0.06319068	0.3392854 0.63657844 0.4812248 0.6392986 0.06319068 0.015075699	0.25000578	- 1	1.249779	1,500/308
Phase-1 RCT-64	1,5539175	0.9179355	0.5628424	0.8270775	0.8855933	0.8855933 0.88086826 0.89578285 0.8095295	0.89578285	0.8095285	0.2463329	0.777029	1.2337906	1.0501091	1.274.1079
													T
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of													
treatment/control for all 24 hour predictive													
genes (Table 5).													
(2) Compound and dose abbreviations as in													
Segue 1.													
(3) Individual animal number													
(4) Liver inflammation dassification for													
compount-tose group at 72 it. yes-red.													
inflammation observed; no. no histopathology	->												
observed													
(5) Predictive gene (as In Table 5 and as													
arcauced in Leane 20)													

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Table 29. Expression Data for 24 Hour Timepoint (1)			
(2)	TUEO 400	THEO 100	THEO 40
$\overline{}$	2534	2535	7
Liver Toxicity Inflammation Classification (4)	2	5	2
Gene Name (5)			
Gamma-actin, cytoplasmic	0.78584594	0.97891307	0.72943
Phase-1 RCT-145	4 003104	0.9676859	0.8582
Phase-1 RCT-78	0.93888533	0.91988814	1.0755
Fas articen	1.1768016	1.1950091	1.1224
Macrophage inflammatory protein-2 alpha	1.0842768	1.118871	1.178
Integrin beta1	0.9858753	1.0217527	1,0190
Phase-1 RCT-207	0.88529277	0.8652619	0.88059
Aspartate aminotransferase, mitochondrial	4 0005454	1 0464636	0.7979
Casen-alpha Mair ensume	0.862876	0.60340106	١.
Prase-1 RCT-30	0.9051461	0.94171995	Ц
Hepatocyte growth factor receptor	1.0266422	7	
MAP kinase kinase	1.0489523	_	٦
Sodium/glucose cotransporter 1	2.532/046	1,0254/49	4 463
Present RCI-2/	0.98249908		۲
Phase-1 RCT-192	0.8987761	L	Ш
Phase-1 RCT-288	0.90874445	의	1.083
Phase-1 RCT-37	1.0806079		-
Organic cetton transporter 3	1,0858935	1.0141077	0.9312
60S ribosomal protein Lb	0.0910100	15	-
Calcomidia Bo	0 8304145	+-	┸
ID-1	1.27314		Ш
Phase-1 RCT-92	0.9068178		의
Phase-1 RCT-115	0.9394685	-	4
Matrin F/G	0.8634632	익	0.800
Mutt. homologue (MLH1)	1.0788416	1.0101636	١٩
Phase-1 KCI-79 Sorbitol dehydroenase	1 1778657	1	-
Phase-1 RCT-24	1.0812927	L	
Calgrandin B1	0.94093156	Ц	\Box
Elongation factor-1 alpha	0.84605944	-+	-
L-gulono-gamma-factone oxidase	0.8044473	0.94022644	1013
יווים	0.88072175	0.88215	1
Phase-1 RCT-233	0.76071817	1	Ц
Phase-1 RCT-36	1.0471901	6.0	
Phase-1 RCT-242	0.99748135	_	_
Phase-1 RCT-181	1.1418462		0.864
Phase-1 RCT-185	0.64095366	0.57064813	1
Phase-1 RCI-178	1.051437	10	L
KB-a	1.0870236	-	L
Phase-1 RCT-225	0.54517287	Ļ	1 1
60S ribosomal protein L6 (alternate done 1)	1.1084535		2 0.816
Beta-tubulin, class l	1.209421	1.0307627	
Multidrug resistant protein-2	1.0233074	_	2 0.8243

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Phase-1 RCT-49	0.83924824	0.8415858	0.86749357
Calgranulin B3	1.2005879	1.2547728	0.97099787
NADP-dependent isocitrate dehydrogenase,	0.9544158	0.8292145	0.8835525
Cytosolic	4 4260	4 4040040	2000000
Sodhimbile acid cottonsporter	0.818581	0 57080823	0.8713078
Diseast DCT-474	0.01000	0.3730535	0.00 13070
Description 17	0.0303170	0.04213/34	0.9039721
Control and advanced and distance of the last	0.0203021	0.705222	0.00240074
Direct Oct Sea	0.001/3303	0.00013200	0.040030
Equiliprative nimberzy/thiolinosine-sensitive	1 1670045	1 1187329	0.0748723
rucleoside transporter			
CDK102	0.9902107	0.8628788	0.8742017
Phase-1 RCT-209	0.96257424	0.82922745	1.0547599
NADH-cytochrome b5 reductase	0.90693027	0.74825686	0.9996671
Dynamin-1 (D100)	1.0086985	0.7873054	1.0084964
Senescence marker protein-30	1.0748152	1,0400493	1.0165031
Phase-1 RCT-89	0.7177791	0.62443787	0.7236195
Camitine palmitoyl-CoA transferase	1.1797856	1.0452061	1.0220225
Alpha-2-microglobulin	0.91298383	0.68394274	0.8702764
	1.1462439	1.0424675	0.9057154
Cathepsin L, sequence 2	0.9784191	0.7744115	0.8270517
Phase-1 RCT-141	3.31068	4.934559	2.027494
Phase-1 RCT-289	0.78335303	0.78567964	0.9824857
Endothelin-1	1.0724537	1.167462	1.2275028
Prase-1 RC1-282	1.0669467	12131404	1.0519704
Friase-1 RC1-140	0.9826/615	1.034618	0.9926756
Cyam Di	0.6925338	0.60223084	0.810.3463
PIRSE-I RUI-20/	0.89930323	0.8789043	0.8114314
Policy Lindian amedia (DDD)	4.004004	4 00043923	1
ATE directed of processing by	1.051331	1,000,000	0.00321143
translocation promoter (Gvk)	.040269	7c+nnon'l	
Phase-1 RCT-60	0.9353465	0.8979088	1 1144725
Pyruvate kinase, muscle	0.87675965	0.9030135	0.91706353
PAR Interacting protein	0.83973604	0.94314253	0.90764755
Nucleoside diphosphate kinase beta isoform	1.1135342	1.1775426	1.054133
Gadd153	1.1672707	1.1485482	이
A Hase	1 1778030	1 2100326	0.940133
N-hydrovy-2-scehdamiooff-poses	0 80240847	0.50144694	1 444864
sulfotransferase (ST1C1)	10017000		
Phase-1 RCT-52	0.8211117	0.7137491	1.1232841
Alpha 1 - infilbitor III	0.57026994	0.96340463	0.90856415
Sterol carrier protein 2	1.1091444	0.9899087	1.0973641
Organic anion transporter 3	1.0918518	1.8182615	1.1941669
Calgrandin B4	0.99023414	0.9880884	1.111088
Phase-1 RC1-182	0.8071315	0.82314545	0.91016906
Aldehuda dahudmaansee mirmeanst	0.7607451	0.74/1205	0.8318545
Phoen 1 DCT 128	0.0000000	0.007070	1
Phase-1 RCT-102	0.8194567	0.8615052	1
Preproalbumin, sequence 2	0.9905574	0.74350554	
Apolipoprotein All	0.3797842	0.37627846	0.70984083
Prize-1 RCI-10	1.093487	익	0.96978927
Phase-1 KCI-48	0.84217244		1.0403283
Frase-1 KCI-8	1.0483/05	0.75666314	0.81237605

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Phase-1 RCT-168	13341481	1 1300302	1 2070315
Phase-1 RCT-88		1.1775594	1
Beta-alanine synthase	-	0.94475836	1
Phase-1 RCT-296	0.40811798		0.6180584
Carbonic anhydrase III	0.40517932		0.73623204
Phase-1 RCT-291	0.90541965		0.96498907
Phase-1 RCT-274	0.80108343	0 80432856	0 74826527
HMG-CoA synthase, mitochondrial	0.68125427	0.77400607	0.5671918
Phase-1 RCT-189	0.93218404	0.952063	0.9467708
Phase-1 RCT-40	0.7804128	0,860847	0.9638659
Urlnary protein 2 precursor	0.8367152	0.5344215	0.7873751
Paraoxonase 1	0.6251723	0.5174809	0.777698
Liver fatty acid binding protein	0.75528467	0.7554367	0.76701903
Presentlin-1	0.620445	0.37279692	0.933534
Phase-1 RCT-38	0.9491294	0.9915039	
Phase-1 RCT-270	1.0386169	0.9197203	- I
Transthyretin	0.6691372	0.6464093	0.8291809
Hepatic lipase	0.6769535	0.40631115	1.0597035
Cytochrome P450 11A1	0.7009863	0.62562305	1.0278171
Phase-1 RCT-175	0.8885932	0.7448218	0.9632081
Phase-1 RCT-117	0.96458346	0.9277731	0.88359284
Phase-1 RCT-137	0.60914636	0.6698488	0.9164694
Melanoma-associated antigen ME491	1.3887467	1.7298536	0.8946096
Phase-1 RCT-12	1.1085943	1.0541285	1.0822709
Phase-1 RCT-152	1.0012681	0.9123893	0.86293477
14-3-3 zeta	0.90749776	0.8827285	1.0356712
Cylochrome P450 2C23	0.60635877	0.35186218	0.7872035
Vollage-dependent anon channel 2 (Vdac2)	1.0933318	1.173226	0.9629908
Phase-1 RCT-154	1,0695142	1.2774626	0.94462997
Superoxide dismutase Mn	1.209133	1,5191853	
о-тус	0.8582542	0.7990935	
Phase-1 RCT-196	1.019003	0.90070134	
Cyclin G	1,5162739	1.4245207	
Calgranulin B5	0.95240617	0.9222741	Ш
953	0.85433954	0.9285175	0.8019966
Phase-1 RCT-205	0.9854053	0.99568254	0.8641006
Phase-1 RCT-68	1.0245825	1.2335961	0.9391443
Caspase 3	0.9965033	1,0739098	1.0240888
Ribosoms emisin 130	0.927.39280	1 0085459	0.0303000
IgE binding protein	1.0498761	1.0793182	0.9424196
Phase-1 RCT-39	1,039871	1.0944964	1.120013
Cofilin	1.1298276	0.89851236	0.9337457
Heme oxygenase	1.0146351	0.7345184	0.85630935
	1.1394907	1.0942625	1.1416953
Ribosomal protein S9	0.7332107	0.8478302	0.7787006
Phase-1 RCT-258	0.89934736	0.92890584	0.9313084
Argininosuccinate (yase	0.83092207	0.802727	0.8253072
Phase-1 RCI-180	0.8893652	0.9490431	0.8475983
Omathias describes described	1 1154500	1 2337508	1 00000
Thomasin beta-10	0 97079444	1 02908	0.79330474
Phase-1 RCT-72	0.93962735	0.97965884	1.009357
Phase-1 RCT-109	0.9676464	0.9998475	0.8108324
Phase-1 RCT-78	0.931341	0	-
Vacuole membrane protein 1	0.69853175	0.70681524	

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e-1 RCT-113 genous retroviral sequence, 6' and 3'			
genous retroviral sequence, 6' and 3'	0.99154558	1.0241038	0.926999
<u> </u>	0.94410974	1.1292355	0.9172252
Beta-actio	0.5805013	0.78548074	0.6145368
Phase-1 RCT-85	1,3983415	1.2834874	1.1699543
MHC class I antigen RT1.A1(f) alpha-chain	0.7744404	1.3755641	0.878015
Bax (atoha)	1.0446929	1.1944269	1.093296
Carborn reductase	1.1043767	1.1847073	1.1232936
26.2	0.80468637	0.90577984	0.7525767
Interleukin-10	1,2232448	1.1103532	1.0528303
Phase-1 RCT-191	0.9201004	1.083967	1.0494838
	0.63510007	0.7034315	0.5859794
Anomosis-regulating basic protein	0.7433428	0.80536383	0.7843915
	0.46700314	0.39502436	0.82144
Phase-1 RCT-239	0.7905749	0.89149624	0.94754094
	0.94380337	0.9048422	0.9740861
жиазе	1.1280022	1.0281026	1.1566586
	0.48671588	0.40342534	1.0199437
Calcrandin 89	0.8232285	0.73092794	0.84405327
Phase-1 RCT-123	1.0088018	1.1000786	1.036045
	0.97450703		0.92834866
P3)	0.9802572	_	
ase, liver	0.10802943		9
	0.72655076	0.59028256	1.1168107
(1) Gene expression data for 24 hour			
timepoint are presented as mean ratio of			
treatment/control for all 24 hour predictive			
genes (Table 5).			
(2) Compound and dose abbreviations as in	_		
Table 1.			
(3) Individual animal number			
(4) Liver inflammation classification for			
compound-dose group at 72 h: yes-nect,			
necrosis abserved; yes-both, necrosis with			
infarmation observed; no, no riscopaurougy	<u></u>		
(5) Predictive gene (as in Table 5 and as			
included in Table 26)			

Table 30. Expression Data for 72 Hour Timepoint													
(3)													
2)	5-FU 13	5-FU 13	5-FU 13	S-FU SO	5-FU 50	5-FU 50	AMPB 20	AMPB 20	AMPB 20	AMPB 5	AMPB 5	AMPB 5	ANIT 15
Animal Number (3)	1927	1928	1829	1937	1938	83	5	88	85	447	4	449	1647
Liver Toxicity Inflammation Classification (4)	S)	υo	OL)	9	2	٤	+-	-	_				92
Gene Name (5)	777000	7	, , ,				-						
Betaine homocystelne methyltransferase (BHMT)	0.419078	1 173935	0.8100621	0.80051495	0.8466655	0.6716510	1 1136348	4 0328264	1.0063459	0.8279418	1.1149586	1.0991063	1.4503918
Proliferating cell nuclear antiqen gene	1.0201807	0.8158989	1 1410704	1 0238171	1.0238171 0.87750566	0.9469696	11177591	1 0503862	1 1330684	1 4337315	4 15750BA	1 1227144	0.0878048
Cytochrome P450 2D18	1.1358376	1.1605132	1.0560999	1.0338767	1.1123867	+	1	0.70583755		0.57712968	0.57757577	0 71534383	0 8772411
Cytochrome P450 2C11	0.91647136	0.8312135	1.0904676	0.8027289	0.62460124	_	+	1,1133205			+	0.7460099	0.9477041
Phase-1 RCT-290	0.6342936	1.1279619	0.8451277	0.6937851	0.5548385	0.84440064	1.0126884	1.0842041	1.1947466	-	0.76379883	0.8829273	1,0829717
Phase-1 RCT-59	1.0631596	0.7407643	0.7651573	0.8164638	0.8164638 0.88746125	0.86284727	1.1274096	-	0.85425836		1.0298265	1.1934863	1.2884845
Beta-actin, sequence 2	0.91200346	1.075999	0.84473014	0.9673183	0.8791355	0.8839514	1.2761545	0.76077473	0.83359635	0.697978	0.7247665	0.714939	1.0828733
Phase-1 RCT-292	0.906597	1.0188742	0.8766699	0.91296405	0,9965693	0.8973333	0.89307608	1.0724427	0.9853155	1.1609571	1.0046117	1.0895233	1.0007368
Pyruvate kinase, muscle	0.9262224	0.782378	0.921054	0.929309	0.62032634	0.7854532	1.1181059	1.0386608	1.116298	1.3680781	1.0077512	1.2806172	1.1001874
Osteoactivin	0.969951	1.0700635	1.0865526	1,129316	1,2050588	1.1870325	1.2225242	1.056018	1.0182256	0.91258776	1.1674411	0.8973806	1.0333582
Calgranufin 81	1.0717757	1.2180904	1.2642843	1,1857843	1.0922923	1.0381172	1.1268951	0.4435457	1.1001171	1.1609129	0.9068038	1.0667798	0.9730041
Apolipoprotein All	0.8000239	1.0858588	0.82526666	1.095082		_	1.3205215	0.8051868	1.0551484	0.49715346	0.8976258	0.5233711	1.3969821
Phase-1 RCT-100	-	0.83574047	0.0040637	1.20/003	1,2855315	1.0719326	0.82905924	0.7234583	0.74497825	0.8642973		0.8101292	1.2612486
Glydne methyltransferase		4 4220868	1 9221622	0.51210013		0.04941137		0.853/24/	0.91/5308		_	0.95051174	0.9805108
L-gulono-garrima-lactone oxidase	0.7348025	1.40493	1 238826	1 0508159		0.00404353	0.9203/82	0.74412047	0.95/3369	0.63046033	1.003/3/3	0.74400488	1.6287463
Phase-1 RCT-256	0.93418336	1 2094859	1.0525706	0.947376		0.01375134	1 1324360	0 07 12002	4 4086707			0.7 1432403	0.040004
Carbonic anthydrase III	1.2174368	1.2717098	1.1184523	0.8512785	_	0.2759828R	1 1465468		0.45341435		1 5301383	0 4008004	0.0100048
Phase-1 RCT-78	1,003851	1.1061211	1.0524888	1.0166066	1 2369981	0.9863712	1 0339892		2 089191	_		0.4000034	1 0058007
Urlnary protein 2 precursor	0.5725072	0.72988504	0.68356504	0.64116985	0.7143095	0.6913182	-	0.92002213	0.9989137	-		0.31068277	0 6337205
Insulin-like growth factor I	0.6293313	0.7038529	0.7230224	0.6800474	-	0.76738036			0.86420836			0.53441405	0.7033805
Ary sulfotransferase	0.70289447	1.0856037	1.0138929	0.75124264	0.7470725	0.9966685			1.1534754	0.78342116	0.7975361	0.5493179	0.8086876
Priase-1 RCI-185	0.7316496	0.9380018	0.816688	0.60885084	0.8494052	0.5506588			0.87515146	0.6635455	1.0508947	0.675567	0.7383951
Stathmin	4 0443000	4 0403744	0.6356644	0.8072376	0.9125.3287	0.7562591	_	0.81789173	0.77417195	0.59663814	0.729577	0.5394255	0.95463085
60S abosomal protein Le	0.81672806	0 6483787	0.1142105	0.7580135	1.1851/43	1.12401/2	1.0451556	1.014/20/	0.9429878	1.250439	1.0094224	1,3013003	0.9824678
Calpactin I heavy chain	0.98456325	0.88285	1 0548522	0.98761874		0.88794076	1 1480541	4 1426837	1 0306033	4 4463703	1.1/1523	1 0927501	1.2044776
Collagen type II	0.7163266	0.6514535	1.103215	1.2716824		1.102798	0.9455115		0.84886485	1 1569868		0 90343894	1 2868096
Phase-1 RCT-179	0.9493563	0.9855681	0.9642185	0.81805706	0.9315319	0.9270162	1,1169256		1.1325254	0.8107591	:1=	0.95154166	0.8557684
Voltage-dependent anion channel 2 (Vdac2)	0.9197255	1.1378814	1.0468268	1.0005407	0.96697813	1.073701	1.0633602	0.9750138	1.0769008	+	_	0.9478506	0.87280357
Phase-1 RCT-192	_	0.9046559	0.838625	0.8465866	0.85069144	0.86483634	1.1617124	0.9347814	0.96445197	-	0.82805675	-	0.99400693
Adenine nucleotide translocator 1	_	0.68973064	0.71701914	0,55813134	-	0.59452695	_	0.94950104	0.8913757	0.9155044	ш	0.97918344	0.88549266
I nymosin beta-10	0.897547	0.8344549	0.853404	0.7035356	0.70763683	0.691427		0.98622566			0.90605295	0.6954628	0.9350083
High attinity lgt: receptor gamma chain (FCERtgamma)	0.8997756	0.62943	0.84886265	0.8539848	0.7522562	0.7487342	1.385185	0,99953026	1.0533898	0.98365897	0.9042296	0.9116559	0.94181037
Gamma-actin, cytoplasmic	0.7517159	1.0923398	0.7756412	1.1703815	1.0074474	0.85923076	0.87483686	0.7037224	0.73209304	0.7553826	0.75590634	0.5924193	1.12372
Uncoupling protein 2		0.89775854	0.9049379	0.8235997	0.750951	0.7013487	1.4645445	1.066116	0.9593831	0.9577513	0.98017764	1.1875461	1.0745637
Prizze-1 RCI -34	1.2457932	1.0576417	1.0418319	1.2033292	1.277064	1.4441581	0.9912624		1.1800971	1.3174835	1.0286012		0.95863676
Culin Di	0.8594648	1.1737993	0.9181474	0.8918018	_		0.64628035	 l	0.73431915	0.5283588	0.666428	0.512163	0.67008066
toff binding among	70175620	0.392/309	218505870	0.99925564	-	4	0.79049357	0.88927	0.9482615	1.1397063	1.3300958	0.983514	0.8887642
Zinc finner nordein	1 0404543	0.7970359	4 44 20420	4.0502470	_		1.3118135	1.0924672	1,0582913	1.281797	1.0479465	1.1409715	1.0813518
Phase-1 RCT-138		0.9767 1300	0.8201238		0.86528485	0.7450089510	4 4963606	1,06/4223	0.9783439	1.0118088	1.082599	1.0153428	1.1855369
Alpha-tubulin		0.85855633	0.86634165			0.9280919	_	_	0.96839744	1 187194	1 0309474	1,0400303	1 9282847
Apha-prothymosin		0.88656145	0.8561143	0.7226828		1_	0.9342166		-		0.72541744	0.5318328	0.6845507
Calpain 2	0.9167102	0.8971285	1.054384	0.9315786	0.91227716	0.92713857	0.9459109	0.9790413	_	-	1.0323693	-	0.99386466
Phase-1 RCT-12		1.1157202	1.1148968	1.208064	_	_	_	0.87898904	0.8230778	1.0543516	0.8187002	0.98487427	1.040774
Phase 1 PCT 24	0.9338804	0.96007836	4 0240482	0.8064224		4	1.031088	0.9697614	1.0331763	0.700828		_	0.87502277
Melanoma-associated antiqen ME491	1.145443	0.9589542	1 06653	0 9292073	1.100/4/4	0.0954403	1.900/04/	0.86U/3U9	4 036014	1,0196615	0.86361	1.0654734	1.2047/97
	1 1 1 1 1 1 1 1 1 1			Viverent of	I to concert	0.00011001	ויייייייייייייייייייייייייייייייייייייי	1,13000001	1.0001	1.404 10401	1,01110,1	1.1/02///	070L/R0"L

	4 000001		1000000										
Cycling	0.0455607	1.0902889	1.1296043	1.1040165	1.1730129	1.1150606	1.0248705	1.0319358	0.9511939	Ц	0.9616104	1.0947447	1.0169325
Hypoxanthine-guanine phosphoribosyltransferase	1	0.99214077	1	0.07128148	0.6866603	1.4486082	1.2251924	1.1442724	1.205814	4	1,2595817	1.2416863	0.9707713
	_			3	0.00000	W.06232004	1076608.0	0.8361824	0.785/512	0.7845859	0.73789454	0.76871675	0.8740243
Tissue inhibitor of metalloproteinases-1	1.0473686	0.9414594	1.0709399	1.0284756	0.90383697	1.0265647	1.3366022	1.2729761	1.2557808	0.7503808	1.0195434	0.7979453	1.1845405
Bissessed statistic St	1.2208046	0.8963707	-	1.0050285	1.0489813	1.2996885	1.1270692	1.203872	1.0327045	L.i	1.0203574	1.1892215	1.1921038
Heme oxygenese	0.9845/72	0.8995425	-+-	9	0.84625953	0.8115394	0.88961816	0.97503996	0.9107216	_	0.90987414	0,5763723	0.9966961
Ribosomal protein S8	0 7343199	0.7508143	0.80133828	0.9341835	0.94558084	1.1712598	1.3451879	1.4164733	1.6153797	0.7873155	1.137639	1.0931028	1,0255673
Ribosomal protein S17	0.8424332	0.821301	0.8002398	0.79985094	-	0.79431933	0 90305683	0.9246457	1.0085368	0.5201059	0.6801564	-	0.8009844
Nucleoside diphosphate kinase beta isoform	0.9627273	1.0238625	0.90525323	0.9212371	_		0.92407626	0.8192705	0.87060004		0.0000312	0.3034007	4 040557
Phase-1 RCT-121	1.0867867	0.99797666	1.1079133	1.0369955		8	1.2118112	1.0916413	0.9583515	13244894	1.0861709	1 337051	1 1452204
14-3-3 zeta	1.0739676	1.0081358	\rightarrow	1.0638145	1.0654648	1.0558933	0.9552528	1.1251712	0.96399385	1.2500001	1.1097312	1.0639106	1.0534065
Both hybriting along 1	0.7747525	0.8080512	_	0.8239423	\rightarrow	-	0.96719235	0.92273813	0.9813035	0.674931	0.8326754	0.7612244	0.8017798
Omeric entire tenescotor 9	1.2002798	1.1058043	0.91020775	1.231496	1.1170341	0.9742035	0.8906808	0.7363347	0.7157833	0.800837	0.6437694	0.89683425	1.0639292
Rota antia	0.8651299	0.7339278	0.80936116	0.9530645	0.97193515	0.9321305	0.981805	1.1017131	-	0.77848744	1.1630278	1.2574313	0.8985573
Cathensin S	0.6016344	0.680592	0.47576918	0.6301505	0.5687643	0.4878196	1.073051	0.6349538	0.71420413	0.79839583	0.7948111	0.5783896	1.1888083
Rijvarija raductasa	1006190817	0.7363666	0.75522476	0.9229482	0.7112028	0.7855199	1.4763538	1.1445665	1.0871803	1.1695855	1,1119341	0.9591986	1.1206547
Phase-1 RCT-154	1.00.000 A	1.1130230	1,1032149	_	0.9041788	1.0130522	1.1934937	1.170278	1.1163765	1.1425332	0.9936371	1.0002049	1.0736909
Phase-1 RCT-293	0.9022004	0 725246	0.6999976	0 7707758	0.84218385	1.0034672	1.0383084	1.108054	0.9948319	1.2052535	-+	-4	0.97899944
Annexin V	0.9960867	0 78289497	1 0744614	0.0770064	-	. .	1.3829102	268/802.1	1.1168697	0.895/1484	1.0942656	0.91484046	0.9834956
Complement factor I (CFI)	0.9797657	0.96029156	0.813419	1 00493	1.0103001	+	4 4764697	0.86846557	1.0033226	+	0.9228605	_	0.8561658
Phase-1 RCT-276	0.9213152	0.9395568	+-	0.81300604	0.8762234	0 7649624	0 02070868	0.847774	0 8476500	0.9908/7Z	1.2673923	0.918436	0.85191256
Tyrosine eminotransferase	0.8143681	0.56088793	_	0.77863854	0.6056875	+	0 7916314	1 1462412	1 0003577	0.0410047	0.5005570	0.7004507	0.6820223
Glutathione peroxidase	0.9650647	0.8282028	0.6929375	٠.	988	0.82447875	0.7673943	0 79109627	1 0234894	0.460344603	0 6262570	0.4000000	0.023143
Histidine-rich glycoprotein	0.84404695	1,206158	0.73176616	0.83243835	_	1.1236004	0.6197679	0.7520958	0.826158	0.44941157	0 776247	0.594186	0.0240402
Carbonic anhydrase III, sequence 2	0.88537365	1.1798508	_	₩	0.8850747	1.1135962	0.6232033	0.7851268	0.8031564	0.43944678	0.71251035	787	0.57524854
Transitional endonlasmic retiretum ATO-co	1 4003668	1.0487964	_	-	_	-+	0.7807287	0.67411	0.8685502	0.6616652	0.85478896	0.74073035	0.69083565
Phase-1 RCT-88	0 9480314	1 0550704	0.821/4546	0.8537489	0.882807		0.80531776	32877	0.8329108	1.1483935	1.1571354	1.1540842	1.2360516
Phase-1 RCT-296	0.7185435	0 70142925	-	0.93099000	0.8740004	1.10/6432	0.713307	3	0.90752596	0.6039746	0.8300018	0.841679	0.7417371
Phase-1 RCT-161	1.1737218	1.4082267	1 4468391	1 0352749		0.73300973	4 0484004	0.90338283	0.86824555	0.58185124	0.8228841	0.7598386	74281764
Glutathione S-transferase theta-1	1.0998224	1.1397295	0.99323523	0.75823765	0.8401789	+	0 98243725	1 0051068	4 0307230	1.1909435	1.032863/	0.9852039	1.0141621
Phase-1 RCT-168	1.0373392	1.0170063	+-	1.0159855	1.0496334	-	0.97507346	1 092083	1 0046977	0.9979543	0.9030000	<u> </u>	0.8306566
Phase-1 RCT-182	1.0128077	0.931171	0.75736578	0.82281345	2	-	0.7103612	0.7474072	0.828919	0.92201483	1 1049553		0.91000033
JNK1 stress activated protein kinase	0.96715176	1.0813558	1,0258964	0.9366988	1.1199747	1.9125434	1.2968286	1.10341	1.2580817	1,4866103	1.141679	102	0.8087616
Phase-1 KCI-81	0.07852765	1.0268575	0.88216066	0.9235126	\blacksquare		0.92115694	0.9497643	0.9520583	0.923279	┺—	837	0.83235993
Phase 1 PCT 478	1.0513141	1.0208912	0.8650795	0.9665988	1.1613983	_	-	0.91359025	1.0256609	0.80022854	0.86564048	0.9782263	0.74088633
Apolipoprotein CIII	0 9517704	1.3/30993	1.0580138	2.1025362	1.1205869		-	-	-	1.2269898	-	_	0.86475474
Phase-1 RCT-98	0.9450135	0.9875153	0.85567405	0.8696497	2 2	0.149/304	0.8341128	4.0479759	0.9/450805	0.92465584	_		0.6908609
NADH-cytochrome b5 reductase	0.8662391	1.0752046	0.7111214	0.6966306	0.6903485	+	-	0.74203724	0.7483726	0 8264451	0 8718423	0.0885678	1.0311044
Alpha 1 - inhibitor III	0.8335401	0.69947016	0.6890373	0.70078135	0.81818044	0.5031044	+	+	8	0.56535184	1.1454055		0.64311904
Present RCI-233	0.94070005	1.008627	1.0206944	0.9415999	_	_	_	0.9371367	0.8709145	0.8805105	-	355	0.6770094
Presentin-1	0.71047020	0.6322424	0.49695364	0.7062079	_	_	g l	2654458	0.84280205	0.7416484	_	-	0.75636965
Apolipopratein C1	0.00/0032/	4 0750888	0.70328194	0.752775	0.8378685	_	0.60953325	0.6652092	0.6408032	0.56631668	1.1957431	0.57751924	0.6770415
Cytochrome P450 2C23	0.6554183	0.85561603	0.00000	5 9	_	0.73023170	0.01831145	0.7237505	0.7232343	_	_	0.4154754	0.651229
Phase-1 RCT-227	0.87979996	1.0533893	1.1532979	: -	2	-	213	+-	0.00040147	7489739	0.72050465	0.52332884	0.8794669
Hepatic lipase	0.91738105	0.68855745	0.49969386	6	+	0.589085	0.8016584	-	0 8424337	4-	3 8	0.702740	7337550
Phase-1 RCT-164	1.075194	1.0326631	1.0399846	1.0580999	1.0442871	1.0720721	2	110	0.85192496	+	-	75845057	1.0772586
Mutading resistant protein-2	_	0.87267303	1.0378677	-	1.0718092	1.2825606	1.121198	1.07752	1.1496143	1,5056955	1.1442175	1.0736461	1.1874845
N-hydroxy-2-scabdaming-linesing sifetimes	7	0.7061867	ᇷ		-	0.93366313		\rightarrow	0.87436867	0.81421746	1.0356877	0.9111454 (.877770927
(ST1C1)	0.8193265	0.7249482	0.8270077	0.86453885	0.7941526	0.79900175	0.9502388	0.82701355	0.9833823	0.72983974	0.9891685	0.5222511	0.6858463
Dynamin-1 (D100)	1.0033746	0.9972388	1.0340531	1.0128713	1.0680677	0.8801333	0 8990399	4 0375509	0.06300075	077704770	0 0004000	0000000	OCCUPATION OF THE PERSON OF TH
DNA polymerase beta	0.89140177	0.8548746	0.85492194	0.7853286	0.931242	_	—	0.76202893		0.56161237	0.6061924	_	0.81158486

Phase-1 RCT-173	1.2212738	0.9523045	1.18162981	1.0549021	0.94689876	822780	0 98035157	0 00085605	0.70004.0	4 4059450	4 010101	4 000000	
Ubiquitin conjugating enzyma (RAD 6 homologue)	1.0530157	0.96915966	0.90406734		0.9763135	ı	0.900085	1.057086	_	0.87301946	1.0113631	0.95133346	1.0588142
Ribosomal protein L13A	-	0.84786004	0.8928293	0 88347204	0 8980946	0 0050060	4 2400040	2000000					
Phase-1 RCT-144	1,02001	0.8740591	0 9930726	1 03872	0.0332340	0.903032	1.3499918	1.0324097	1.0203551	0.6829917	0.8198752	0.62523055	0.9332788
c-H-ras	1.0041692	1.1998361	1.1155697	1 168419	1 2667187	1 182558R	0.0003427	1.1093311	0.95/203	1.3824978	1.1391203	1.187885	0.9754512
Vesicular monoamine transporter (VMAT)	1.0949757	1,3648607	1.2468286	1.411998	1.1459317	2.8754902	1.1369898	1.1479669	1 2016062	1 9649858	1 1776403	1 3870050	1,0011323
Phase-1 RCT-273	1.0143133	1.0524197	1.0193341	1.0844775	1.0140773	1.861821	1.0195154	0.9812825	1 1445591	1 7325209	1 1837614	1 404002	1 0402078
Phase-1 RCT-230	1.0368474	1.2087572	1.11468	1.1576287	0.9696152	2.5295217	1.2182211	1.0667944	1.064041	1.9163396	1.1768075	1.4005544	1.0760958
Dhate 4 DCT on	1.0895914	1.0717949	1.2146795	1,4023663	1.1105456	-1.1537037	1.0490667	1.0754609	1.022635	1.5961919	0.9873926	12630268	1.1693175
Dhose t DCT see	1.0389903	1.2543045	1.0281663	1.351317	1.0429682	2,1559277	1.0290625	1.1636512	1.0530574	2.0701688	1.1615123	1,4998211	1.0073335
Control of the contro	1.0295051	1.0880079	1.1504297	1.1087149	1.1116594	1.0352112	0.94605285	1.0776596	1.0059127	1,5842805	1.1707987	1,4407195	1.122737
Incelled reductionships and distance of the	1.0896454	1.0738254	1.1994454	1,5327946	1.2361472	1.6289308	1.1166353	1.2688054	1.2661875	2.0894825	1.2224165	1.4395789	1.0928152
Neimon foll adhering multimase (ipmx)0	1.0592992	1.17589	1.1138974	1.1777583	1.0766671	1.9512194	1.0473646	1.010093	1.1170255	2.0722747	1.2264636	1.4855573	0.99854255
Hensthode mouth forth mount	1.1689217	1.2764758	1.1730386	1.3620418	1.0446101	2,493827	1.1404876	1.047825	1.1573561	2,1028447	1.2159894	1,5882703	1.0501336
Emake	1.1104872	1.1399399	1.3434706	1.3389838	1.2586046	1.3713768	1.2095292	1.2896107	1.3675355	1.4736297	1.2079442	12242899	1.2858638
Donamico mesorier Do	1.0762386	1.12327	1.2696909	1.383921	1.3149377	2.0835257	1.0094038	1.1120008	1.0811784	1.9945983	1.1649137	1.3066783	1.2655348
Phase 1 RCT.51	1.1200032	1.0549865	0.8830474	1.2408094	1.2298739		0.8699991	0.91441494	0.98278266	0.9345883	0.98338556	0.8433897	0.8594419
Four reneat ion channel	1.04/8382	1.1690525	1.0948209	1,2971358	1.120349	-+	_	0.96079826	1.1456646	1.7499854	1.0596873	1.159676	1,030383
Adrenamedallia	7.0007	1.0326974	1.0187851	1.6169012	1.0225394	1.0528959	0.9838575	1.1270813	1.0444353	1,4374205	0.9787213	1.1585766	1.1216851
Cavadia-3	1.00021/4	1.3321392	1.2635481	1.4014925	1.2337052	2.2738853	1.093367	1.1460586	1.1382611	2,022,803	1.2004346	1.6567833	1.2829865
Phase-1 RCT-129	1.0140427	1 1300002	1.0248675	1.227294	0.97536457		1.0156828	1.1938733	1.0898335	1.6325878	1.0182786	1,2605067	1.1330805
Phase-1 RCT-84	0.0525030	0 9822800	1.0036003	1.1994448	1.0598619		-1.0320334	0.9941494	1.0670033	1.6543369	1.0286274	_	1.1176808
Sarcoplasmic reticulum calcium ATPase	1 0186633	0.8525562	4 4834206	0 047403	1,237,0327	1.11342/9	1.0829324	1.1196014	1.0126497	1.6992381	1.1283001	-	0.99272186
Phase-1 RCT-79	1 0413519	1 2346952	1 0387701	1 0002001	0.880341	4.0004467	1.0304695	1.0772259	1.1956429	1.6704696	1.1455634		0.90700394
Phase-1 RCT-252	0.87386703	1.1961901	0 99989426	1 0175978	0.9134301	1.0001407	1.0960836	1.0523028		1.7709264	_	-	0.99752843
Phase-1 RCT-151	0.91606086	1.0588681	0.96085757	0 891192R	0.8703337		0 40000000	0.413230	700000	0.07509707	_	0.63374854	0.7820112
Phase-1 RCT-70	1.1146295	1.1239877	1.3873967	1,2950308	1,11915	+-	0 9414988	0.0689727	0.705130213	1 2600577	2000000	1.02/4922	1.0448354
Phase-1 RCT-150	1.0841142	1.3057914	1,2184954	1.1293702	1.1442384	1.0652046	0.9572952	0.9626386	0.842775	0 6898760	0.8350033	0 7838444	1 1660579
25-hydroxyvitamin D3-1 alpha-hydroxylase	1.0038772	0.9419807	1.0515016	1.0253406	1,2344017	1.0380243	1.0120606	1.2092997	1,1123397	2.0597174	1 2286365	1 5468777	1 156361
Phase-1 RCT-119	1.0501585	1.2857304	1.0128046	1.1056167	0.9217529	1.3037683	0.7709081	0.775745	0.90795183	0.9100963	0.74938136	0.7967912	0.8538424
Peroxisoma 3-Kemacy-CoA thiotase 2	1.1982173	1.1301624	0.9741924	1.0745568	1,3171536	1.1630555	1.3144497	0.9185671	0.9720329	0.7729848	0.89577883	0.8285004	1.2688588
Supamode diemeters No.	0.9954965	0.9688958	1.1668619	1.1559884	1.1536561	1.1624548	1.0565294	1.1138287	1.0177294	1.696403	1.1328968	1.2408712	1.0896093
Dhase 1 Dot 145	1.0228981	1.1080754	1.0996381	1.0523216	1.1570748	1.0512862	1.3554022	1.0395498	3.1014247	0.799881	1.0265142	0.86425996	1.0646486
Alpha-1 mirmolohidiohikinin programmar / Amha-1	1.2653257	1.3304923	1.3738678	1.387211	1.3808658	1.7012436	1,2838937	1,2575337	1,1459105	1.4720652	0.99850063	1.3786271	1,2607656
Apria - Had og countrakunin precursor (Amp)	0.8722/34	0.9848654	0.79008996	0.7826492	0.993853	0.8752059	0.8547773	0.8684684	0.8957668	0.7834929	1.0410104	0.7050246	0.8244814
Phase-1 RCT-18	0.9934106	0.98747337	1.0974207	1.0845767	1.0472445	1.0396825	0.95479006	1 0841633	0.0507475	1 970544	4 0053050	4 4444964	4 000000
Maspin	0.982249	1.3734531	1.2568274	1.4120778	1.2143286		1.0081829	1 0395547	1 1471771	1 0830567	1 2572627	1 2036974	1,0030024
Decorin	0.66876968	0.52791613	0.66716766	0.48289984	0.41244343	0.8006346	1.1261736	1.0920701	1.0927123	1 761 1489	1 1973282	1 9997045	0.0818224
Keunoid X receptor alpha	1.0723225	1.045955	1.2777873	1.1286619	1,2285966	1.4240197	1.0690774	1.0819731	1.0898538	1,4003441	1.0866321	1.1331484	1.1783285
NADOH Anchomo Date and and and and and and and and and and	0.9388805	0.7290214	0.93379253	0.6896382	0.7567509	0.7508437	1.0378064	0.823463	0.9143372	0.73066837	0,8661391	0.731924	0.8755091
Maile envera	1.1/40934	1.3400/55	1.3534878	_	1.5131639	_		_	0.99266684	-	0.87414163	0.8008955	1.5383103
Caspase 1	93583070 0	1.0662034	1.28/62.52	_	1.3043729		0.91707224	1.1838408	1.0828694	2,0272763	1.1138815	ᄴ	0.91282403
Cystatin C	0.8633391	+	-	34500025	0.90207052	-	1.1021286	1.1803793	1.0166546	-	_	1.4756787	1.1839908
peecoc	1.0358981	-	_		1 7883577	4 4403034	1.2188823	1.0016186	1.0835875	_	-	0.57616407	0.7726788
Poly(ADP-ribose) polymerase	1.0492022	0.9449236	0.8881267	1.0832423 0.91871878	0 91871878	0 9488507	1 0500812	1 1880165	1.0128/4/	1.538/985	1.20/202	1.3222789	1.1438805
Tissue plasminogen activator	0.9461408	0.9378151	1.0214618	1,203015	1,0096819	1.0228758	0.9229763	0 8835572	1 1318626	7174445	0.00000000	1.2618455	1.3519204
Multidrug resistent protein-1	1.16108	0.8565732	1.2746483	1.3562694	1.2849738	1.5758476	1,0826333	1.0119833	_	0 904207777	0.0000100	4 0006263	1 153110
Phase-1 RCT-207	1.1119056	0.8838391	0.98121756	_	0.96027297	0.9953586	1.068741	1,1176119	-	1 436187	1 1076835	4 410432	4 458A70A
Phase-1 RCT-181	1.0573727	1.0492926	1.0120797	_	0.97259843	1.0136334	0.99689776	1.0610062	0.9649207	-	0.94765025	1.0715985	1 1895835
Cost Junction mentarane cranines protein beta 1	1.51071	1.3748533	1.6537682	1.5841285	1.5258255	1.1396872	0.7775361	0.70709044	0,68767687		0.82846594	1.0044494	1.4027879
Aquaporin-3 (AQP3)	0.9138117	0.90367573	1 0496352	0 0400940	4 0247040		7007700	0,20,00					
Myelin basic protein	-	0.95933825		0 93551856	1 0445339	0.9000978	0.91644394	1.0619748	1.0742525	1.4833888	1.0456846	_	0.9685384
Calgranulin B3	+	1.012547	_	0.897773	1 0004824		0.0121000	1.00003101	0.8523284	0.891376	0.8145787	ᆗ.	1.1256479
			1,000	0,0011101	1,000,001	0.50550561	0.92663873	1.0030487	0.9003825	1.1562724	1.0522703	123028	0.9811747

Phase-1 RCT-158	1.0753835	1.0753835 1.0034877 0.94446784 0.8924415 1.1058723 0.92344004 0.8132399 0.817032 0.8678975 0.9112378 0.8658345 0.89540744 0.94774616	0.94446784	0.8924415	1.1059723 (0.92344004	0.8132399	0.817032	0.8678975	0.9112378	0.9658345	0.89540744	0.94774616
Proteasome activator 28 alpha	0.77768797	0.77768797 0.69415396 0.61917377 0.6790671 0.7414821 0.7598039 0.8960767 0.91882354	0.61917377	0.6790671	0.7414821	0.7598039	0.8960767	3.91882354	0.90309	0.90309 1.5137752 1.1286268 1.2203552 0.9424753	1.1286268	12203552	0.9424763
							_						
(1) Gene expression data for 72 hour timepoint													
for all 72 hour oredictive opnes (Table 23)						•							
,													
(2) Compound and dose abbreviations as in Tobia 1													
(3) Individual animal number													
(4) Liver inflammation classification for compound	P												
dose group at 72 h: yes-near, necrosis observed;													
yes-both, necrosis with inflammation observed;				-					-		_		
no, no ristopatrology observed							•						
(5) Predictive gene (as in Table 23 and as													
inctuded in Table 26)						-							

Table 30. Expression Data for 72 Hour Timepoint (1)													
Commented Date (2)	ANIT 45	ANIT 45	ADAD 4000	ADAD 4000	VOVD 400V	ADAD 250	ADAD 250	ADAD 250	A7A 200	A7A 200	A7A 200	070.50	A74 50
Animal Mimber (3)	1848	1840	2137	2138	2130	Ī	Œ	2139	15	5	8	1837	1828
Liver Toxicity Inflammation Classification (4)	Q.	00	+-			+-		2	+-			+	9
Gene Name (5)			П	Γ									
Phase-1 RCT-107	1.0692983	1.1789786	1.3453178	1,4904277	1.3291122	1.0908661	1.0513394	1.147697	0.7404692	1.0209668	0.975454	1.209793	0.7831907
Betaine homocysteine methytransferase (BHMT)	0.75969696	1.2334772	0.7574972	1.0618377	1.0233914	1.1330392	1.2980897	0.6863918	0.22647884	1.1887648	0.83404934	1.6104037	1.1487484
Proliferating cell nuclear antigen gene	0.9421038	0.8697872		0.9446375	0.8397319	0.6881105	0.8794885	0.9269369	0.9269369 0.92201847		0.95076924	0.75720334	0.9464664
Cytochrome P450 2D18	1.164403	1.063896	-1	1.2370874		1,180543	0.9105668	1.1410987	1.1771287		0.91403025	1.1142033	0.9335603
Cytochrome P450 2C11	0.97527134	0.9150951	0.7517512	0.27607158	_	0.90586287	0.81229484	0.84196895	0.18040349	0.8313/053	0.6447482	0.45904154	1,515945.U
Phase-1 RCT-290	0.819415	1.1768513			1.0416876	1.1904912	1.2837416	0.7803015	0.7803015 0.56764996	1.0782579	1.0230234	1.4113704	1.14655/5
Phase-1 RCT-59	0.88459074	0.97859126	_	-	0.86609703	1.0446678	1.012774	1.0887407	1.0338975	0.6623768	0.75131917	0.6879606	0.7622144
Beta-actin, sequence 2	0.89847	1.0296172	0.7405182	0.67036176		1.2594624	1.2245363	0.95654255	0.874554	0.6541664	0.687307	1.0326557	0.963/842
Phase-1 RCT-292	0.9459087	1.0481787	1.1163489	1.015689	-	0.91075927	0.857292	1.0/11156	1.1884102	1.1078424	1.018/814	1.1881014	1.341/305
Pyrivate kinase, musae	1.04//198	1.0633588	1.1648180	1,00903320	1,0028451	1.0503051	1.2006142	1.0011749	0.003/4004	1.07.7309	1.0741323	1.0554780	1 2178505
Colonia dia Di	0.00233303	0.5014067		1.600000	0 0055777	4 4644400	4 0626740		4 0778453	OBA5868	ļc	1 178410	1 0000835
Andiscensivin All	1 4000043	4 0674778	7109010	4 4240402	0.84477483	0.0004508	0 6026380	0.03-1290	0.3875748	0.043000 0.46531838		0.51882248	0.4584846
Connexin-32	1 2588916	1 2624283	1	1 1644351	1 2694917	1 0075821	1 1180685	1.1207619	0.9841302	1,4950191	1,4070768	1,5105208	1.4108584
Phase-1 RCT-109	0.983778	0.9494119		1.0810595	1.0445235	1,2275605	1.2834669	1,0544317	1.7045947	1.0164179	0.9694553	0.9504346	0.99680525
Glycine methyltransferase	1.0565147	1.3327351	1.4073533	1.7565162	1.5085021	1.0155948	0.8681406	1.189958	0.5086768	1.1247524	0.7871756	1.3030987	0,61200875
L-gulono-gamma-factone oxidase	0.90892345	L.		0.54938555	0.46717083	1.038313	1.0570258	0.9416097	0.40768367	0.6887974	1	0.8593463	0.8799636
Phase-1 RCT-256	0.6668318	0.82221514	0.99675024	0.9365019	0.93749756	1.1558014	0.892843	0.8615549	0.5903484	0.9280275	0.8162121	1.192636	1.0612072
Carbonic anhydrase III	1,3496525	1.4215347	Ш	0.5486017	0.33702084	1.557728	0.57315856	0.7735449	18656581	0.7532403	0.78430426	1.2979978 0.443050	0.44305027
Phase-1 RCT-78	1.0411944	1,1049261	1.1876335	0.8464135	0.83400788	0.96925443	0.9988523	1.0721903	0.912423	1,1206205	1.1363213	1.2859026	1.059758
Urinary protein 2 precursor	0.7492762	L	Ц	0.5959546	0.5959546 0.63273406	0.74570704 0.80269325	0.80269325	0.80551547	0.4608352	0.8664358	0.8431859	0.9077777	0.72240925
insulin-like growth factor I	0.63392055		П	0.60919964	0.64650697	0.8592545	0.87952065	1,1017507		0.82038903	0.9417178	0.5920734	1.0678031
Anyl sulfotransferase	0.89225584	9	\rightarrow	1.1080264	_	0.81757736	0.8372254	0.88529458	_1	0.68739504	0.5193875	0.5435909	0.7588943
Phase-1 RCT-185	0.88910264	_1	4		0.63651327	0.7496743	0.71753556	0.9195039		1,325482	0.9888819	0.9492118	0.967295
Cofflin	0.9982426		-			0.9977496	0.8981474	0.98587364		1.2010138	1.2559023	1.0200111	1,4226388
Stattunin	0.99312863		1.1491044	0.9722596		0.96385278	1,0008512	0.95281047	_	0.8807868	1.0246967	0.9306584	1.0516781
60S ribosomal protein L6	0.97732687	0.96044636	0.84733835	0.88259625	0.856624	1.1873882	1.1/64264	4 047676	1.5385334	4.063446	4 004 4006	4 246806	1,0650977
Calpactin I neavy chain	1.1/20455	ᆚ.	4.	1.0326/15		1.2442230	1.334420	1.04/6/0	1.2392/39	1.003140	1.0914600	1.3 Iboub	1.138244
Collagen type II	1.1/48460	_	1	4 4400049	0.0300091	4 0460758	0.9103119	4 0572744		0.7017 1010	0.0350023	0 88940527	0 07254876
Voltage descripted rates observed 2 (March	0.902192	0.8304120	4 0207083	1.1100013	1.04/00/24	1 3531777	4 2024563	1 048445	1 3770385	1 2251013	1 1324469	1 1803520	1 3020525
Physical RCT-192	0.967965		╄	0.9100967	1 039308	1 2253195	1.0627693	0.9629431	2.4464014	1.004794	1.0424356	1.1140817	1,2607108
Adenine nucleotide translocator 1	0.9897101	0.9647229	┺		0.78572387	1.0163398	0.9829559	0.885921	1.15262	0.6767545	0.58046657	1.1415877	0.80380005
Thymosin beta-10	0.94797623	0.91690123	0.9289402	0.97211194	0.9482792	0.9914186	1.0010905	0.9217178	0.9798922	0.66914994	0.6478322	0.61918	0.89925385
High affinity IgE receptor gamma chain	0.9372602	0.84091455	0.9372602 0.84091455 0.83750784	0.8566253	1.0743184	0.94184226	0.93202215	0.99832615	0.9321016	1.2125877	1.0862519	0.8991705	1.7539
Gamma-actin extends mic	0.89925975	0.90000015	0.89925975 0.90000015 0.82859683	0.5686325	1.040697	1.0082867	1.3434141	0.8083219	0.8083219 0.77546424	0.7522932	0.8322755	1.0298547	12704685
Uncoupling protein 2	1.0177927	0,92840385	0.7321223	0.69320625		0.6871237	0.7920801	0.8637406	0.9856048	0.8054089	0.8980107	0.6979151	1.203821
Phase-1 RCT-34	0.99704564	-	L	0.96698	0.9848014	1.1334776	1.0438066	1.0969062	۳.	0.7493702	0.773421	0.7897024	0.9081001
Phase-1 RCT-31	0.8412593	0.955701	0.94468343	1.0985948	1.1360202	1.363903	1.0823686	1.1624663	1.5817335	1.8433887	1.3468975	2.325245	2.0173037
Cydin D1	0.9462849	1.0976832	0.76446295	0.69154805	0.7693539	0.8905195	0.99201447	1.2671701	1,2562618	1.805082	0.7428854	1.1415607	0.76962316
(gE binding protein	1.0035636	0.93047774	1.1830835	1.1142048	1.4182585	1.1577283	1.1168134	1.0604401	1.2516683	1.0256358	1,1155921	0.9969645	1.1466537
Zinc finger protein	1.0907849	1.1024027	1.1401569	1.1422974		1.0485976	0.9030982	1.072402	0.8656356	0.70672174	0.7678338	0.8737479	0.8886522
Phase-1 RCT-138	0.9192971	\Box	Ц	0.9731333		0.89934635	0.82074505	0.9544993	1.181156	1.4436628	1.1851641	1.1510736	1,3839371
Alpha-tubulin	1.1946946	1.1954165	0.8935919	0.5640225	0.71396065	1.1865622	1,2286594	0.9207491		0.6289664	0.7081554	0.83978885	1.1861697
Alpha-profflymosin	0.8342262	_	Ц	0.934819	0.8622433	1.1007658	0.98418397	1.068534	7	1.0041946	1.0139039	0.8872735	1.1767995
Calpain 2	0.9774466	_	_	1.0660602	1.1155587	1.1063011	1.0847701	1.0715489	- 1	1.1031994	1.0970914	1.097653	1.097323
Phase-1 RCT-12	1.0051853	_	4	0.9731258		1.2560636	1.2557675	1.1649806		1.3035158		1.6503576	1,280872
Catheben B	4 032405	1.0638956	4.0246604	0.8206951	0.91/8546	4.7547404	4 6039369	1 4406476	2 4904724	1.16/0539	1 40303108	1 1502246	1,0334128
Melanamassendated artinon MEA01	1 116065	1	┸	1 0475788	1 1354210	4 12542540 A 04240AA	0 7082101	0.1430110	┸	1 5119162	1 5119162 0 8816480B	0.95312136	1 0520972
MCAGINITIC COSCUCION CINYCII INC. TO .	1.11.	J	1,1001707	1.57.0	1,3404	0.07270001		******	1	1.001.00	200,000		

Phase-1 RCT-68	1 1429628	1 0403204	4 4425000	1 000000	,,,,,,,,								
Odin G	0.9571241	0.8702166	1.3911672	1.1638728	1.2651472	0.9871161	1.0976343	1.1150395	1.2576603	1.0669141	1.1530737	1.1218619	1.1562414
hypoxantime-guanine phosphoribosyltransferase	1.014736	0.9731789	0.6428782	0.63771737	0.67738618	0.97429204		0.86487746	1.046509	0.8281386	0.8289464	0.72746676	1.0639428
Tissue inhibitor of metalloproteinases-1	0.83069885	0.8429136	1.132659	1.0263476	1.2139835	0.9096842	0.9606474	4 0170472	1 1107720	0.00474007	, 0404004	,	
	1.0478976	1.0962387	0.94429356	0.84841734	0.8664304	0.8457294	0.9283431	1 0294408	1 1317778	1 592734	4 4903070	1.0138317	1,0594893
Kibosomal protein 59	0.9806838	1.012105	0.7859399	0.7527326	0.61132824	0.7142426	0.8256685	0.7124907	1.3615512	0.6378786	0.5158105	0.813/6/33	1.1590761
Ribosomal emisis Ce	1.2719535	0.8498396	1.5646038	1,5167644	1.3889909	1.1715741	1.1431412	+-	0.98489577	0.8494319	0.93671143	0.8902127	1 4705927
Ribosomal protein S17	0.8433974	0.8371554	0.857261	0.859827	0.94797087	1.2142032	1.0584548	0.9407015	2.2420235	1.0352346	0.85131294	1.0793735	1,3530215
Nucleoside diphosphate kinase beta isoform	1.0243948	1.0360467	0.8371348	0.8609412	1.0072028	1.2543111	1.1530198	0.964956	1.9554137	-	0.91183734	0.76218045	1,268101
Phase-1 RCT-121	1.0730885	0.94666108	1.0966954	1.1212958	1.0358388	1 0618148	1.2340009	1 0074540	3.802832	_	1.1831572	1,4325424	1.224493
14-3-3 zeta	1.094678	1.29418	0.91413224	0.7630782	0.7902211	1.0730238	1 0690773	0 9016347	1 0504484	0.75640044	0.82351426	0.77928445	0.9612248
60S ribosomal protein L6 (alternate done 1)	0.8621198	0.8689778	0.90579045	0.98629975	1.0031577	1.1094832	-	0.90571876	1 5788366	-1-	0.9500805	1 0403376	1.0777806
Bera-douin, class I	0.9390429	1.0123998	1.0304754	0.5848316	0,8126831	1.8479863	1.8090361	1.1589731	2.386019	_	1 848582	1 2263679	1.106913
Rote antion transporter 3	0.9599086	0.94901305	0.92493993	0.89784455	0.8036549	1.0725541	1.0853885	0.8876924	1.1664284	0.74314904	0.808387	0 7049683	0 8244577
Catherein S	0.88111645	0.9876559		0.8780814	1.0552626	1.4414297	1.5952727	+	0.77930737	0.60612255	0.58119756	0.7541703	1.1531096
Rillyonift modurase	1.2086037	0.9291799	-	0.81534314	_	0.81769717	0.7137683	0.91483	0.97986716	1.0067582	0.90860045	0.7129872	1 2409745
Phase-1 RCT-154	0.0664544	1,0300943	1.0765612	0.8843002	1.0306371	0.9679392	Ξ	0.93786484	1.2334658	1.0485396	_	0.89217365	1.3772447
Phase-1 RCT-293	0 8353489	0.3040323	1,1435/2/	0.9646869	1.0275319	_	1.0528035	1.0407375	1.5587504	0.9866743	1.0898685	1.0133494	1.0358539
Armexin V	77877967	4 1457206	4 4047	0.030000	0.9324133	-	0.93586268	0.9445224	0.947503		1.159112	1.1118791	1.1774235
Complement (actor I (CFI)	0.9720541	10179659	0 9221759	1 17844FG	1.85559324 1.4674076	0.9158522		1.0747107	0.7602707	_	0.99260974	-	0.92699593
Phase-1 RCT-276	1.0510288	1.043051	0 82019544	0 7788178	0.107.1970	_	919	0.80839875	1.8639396	1.492125	1.3222893	1,3847498	1.5098354
Tyrosine antinotransferase	0.9036145	0.93150115	0.7705291	1 0086936	1 018765	0.7125758 /	0.80/0252	1.0002689	1.2701343	1 2383235		1.0616531	1.0348186
Glutathione peroxidase	0.7549385	0.7382979	0.8421321	1 1704338	4 9075724		-	হা	0.9766572	-		0.74772966	0.8285685
Histidine-rich glycoprotein	0.6040472	0.72188884	0.68635285	0.7524137	0.8087978	₹₹	0.62386604	4 4244769	0.77822684	1.2782767	_		1.3222756
Carbonic anhydrase III, sequence 2	0.58687276	0.72002447	Ξ	0.70721173	-		0.5306226	1 1469052	0.0103222	-	0.49/80852	0.935/614	0.68414505
Transfer of July	0.7458819	0.7650205	0.7487925	0.70989907	0.8788824	0.90762395	0.6829882	1.0226797	0.6362363	+	1 0295795	000	1 0537740
Phase-1 RCT-88	1.3823552	1.3094363	0.9776657	0.7792234		Li	8	0.93428284	1.1002098	1.0831057	0.9518993	0.80855714	1.0192837
Phase-1 RCT-298	0.79247200	0.8538568		_		_	0.59278977	1.0987287		0.88085604	0.86615723	0.77252814	0.7718201
Phase-1 RCT-161	1 0560287	1 0175684	1 224 8 726	٠.	8 28		_	ᆔ	0.3388944	1.2083185	1.2839922	1.292522	1.5930723
Glutathione S-transferase theta-1	0.8896161	0.064.00647	-	0.0/3/6005	_	_	-	য়	0.68263423	_	0.9089008	1.3491112	0.5992015
Phase-1 RCT-168	1.1069481	4	0.81259656	0 8882247	0.0260078 0.97885995	٦.	_	1.0059683	0.8272302		0.68956983	1.1214896 (0.84221673
Phase-1 RCT-182	1.1319433	1.1033576	+	0.81451917	0.8311735	ㅗ	0.85074726	0.93433617	1.1/56323	1.3418816	1.2324718	1.1168167	1.1438172
JNK1 stress activated protein kinase	0.9187343	0.81788176	-	1.0981374	┺	+-	3 5	0.95438135	0.8012009	0.02200	0.4562559	0.75986996	0.85627556
Prase-1 RCI-81	1.0607305	1.067143	0.8692108	0.8527127	0.8124965		٠.	0.9895008	0.909838	1 060174	1 0405328	4 4536607	4 0200404
Phase-1 PCT-43	0.9481106	0.9501658		0.8282624	0.8638663	0.783736	×	+-	0.71209985	1.2451891	-	0.90139604	1 2080189
Apolipoprotein CIII	0 88457848	1.0248188	1.0793006	0.8885834	1	\$	_	=	0.46034673	1.1075261	0.7598901	916	0.62819695
Phase-1 RCT-98	0.95915863	1.0539962	1 244872	-	0.00046300	0.92558324	0.9327635	_	0.5159372	0.7510509	0.5855129	0.8955339	0.6349268
NADH-cytochrome b5 reductase	0.8421117	0.8758356	0.795027	0.78524	٠.	1	o lig	70821885	0.94589304	1.0899508	1.0668103	12261211	1.0002141
Alpha 1 - inhibitor III	0.7605144	0.9858528	0.7119219	0.71032345			_	4	0.7387538	1 0874158	0.9264003	1.1011429	1.1124548
Prase-1 RCI-233	0.765438	0.95746124	1.0220972	0.8918834	0.76885685	Ļ	٠.	100	1 0383848	1 4326895	1 1843104	0 7892059	4 0440509
Parauxonase 1	8	2	0.78704705	0.8772206	0.9011304 0	0.82934964 0	.77771276	1.0247835 0	0.40971628	0.98845416	0.6583744	0.6810064	10100458
Applicantial C1	_	_	-	0.6652281	_	Ш	0.6838772	0.9354093 0	0.39020935	1.0423739	0.9264341	٠٠	0.70280164
Cylochome P450 2C23	4,0442945		٠.	0.73565793	-	ष्ठ	_	33	0.8647355	1.3803568	0.9164415	-	0.8598684
Phase-1 RCT-227	0 84603825	1.007006	10,858/01/	1.0180564	4	I	4		0.49061063	0.7576244	0.6330579	0.6807263 0	0.72897047
Hepatic lipase	0.87237525	0.80073494	-	/CICCO/070	0.6859568	-	5	g l	0.587422	1.3050625 0	0.73021764	4	0.96204424
Phase-1 RCT-164	1.0384443	0.97962844	_		٠,	0.6580338	1.0060275		0.51899827	0.7079195 0	0.69124776	0.6916117	0.9830791
Multidrug resistant protein-2	1,1534436	1.0897099	٠.	0.94723624			┸	1.1332086	1 2049/90	4 4756200	┸	<u>.</u>	0.7528336
Instantilitie growth factor I, exon 6	0.6808231	1.10884	0.7526835	0.742124 (0.69023204	┖	Т.	1.2508193	0.5457941	1 0188085	1 1790028	0 77074087	3000772
(ST1C1)	0.8485147	0.8589159	0.7906436	0.7683087	0.6157183	1.1406024 0	0.87831515	1.0334685	0.5293017	0.8259302 0	0.58012015		0.8349424
Dynamin-1 (D100)	0.8118657	1.064597	1.1728771	0 9000319	0.8220479	0.0007000	_	_	4		٠,	_	
DNA polymerase beta	100	0.89140004	0.6672187	_	┸	1	0.0466689	1.0051444 0	4	_	4	Ч.	0.89844387
			121212	_	1	_	4	J	1.0845854	0.9143462	0.8921658	0.8561961	1.0355189

Phase-1 RCT-173	1.3948131	1.3588079	1.1436399	1.0639615	1.0490872	1.2198315	1.0886018	0.94431067	1.2938107	0.7632562	0.75207585	0.73289055	0.5982693
Ubiquitin conjugating enzyma (RAD 6 homologua)	1.0751971	1,0558813	0.79874665		0.70254695	1.0887611		0.8869945	1.4368312	_		-	0.80559134
Discount prototo (134	COOCOO	0.0076406	0.000000	10011001	1000	100,1000	1 400 4 20	1 00000	0,0,00	0.000000	_	20000000	, 0.
Topognial profession	0.000000	0.00/00/0	0.3033020	1.0011931	0.30447114	1.034030	1.194/0/4	Z/002C0.F	1.301012	0.39323030	4		1.1/0484
Prese-1 RC1-144	0.9052626	0.95604706	1.0298191	0.91925156	0.8789157	0.98968047	1.0395595	0.9292108	1.0610635	1,0761682	1.0535872	0.8155246	0.97048074
C-14-03	1.0973188	1.1552731	0.9266419	1.0693899	0.92205614	0.8757185	0.8364619	0.909077	1.3160394	1.0278562	1.107911		1.0373788
Vesicular monoamine transporter (VMAT)	1.0909306	0.9574731	1.8767375	1.3864145	1.4257798	1.2946029	1.1022632	-	1.0297025		1.1891476	_	0.67150118
Phase-1 RCI-2/3	1.0271013	0.92220503	1.8053972	1.4038497	1.5345783	1.4047519	1.1588838	-+	0.87603027	_	0.98712208		0.87887496
Phase-1 KCI-230	1.1071141	0.96341777	2.3302011	1.5084877	1.499964	1.6997038	1.409522	1.3183954	0.8529888	0.81970334	_		0.96865517
Phase-1 RCT-74	1.1277244	1.0710746	1.9534711	1.4558219	1.5504919	1,5050464	1,442142	1.3909801	0.9760475	0.89287	-+	_1	0.80032325
Phase-1 RCT-80	1.08476	0.977479	1.9471202	1.4300522	1.4808971	1.511737	1.3628291	1.2587279	0.8901307	_	1.131637	0.9240015	0.8423923
Phase-1 RCT-158	1.032828	1.0836263	1.4415401	1.216187	1,2383003	1.0456781	1.0650715	1.1341356	1.0101199	0.9186874	0.97514987	0.8907988	0.7737023
Decoycyldine kinase	1.0425996	0.97879416	1.6910372	1.6944623	1.5169915	1.1603925	1.0385541	1.1934726	0.9444816	0.95558244	1.0681797	0.79765654	0.8465689
Inositol polyphosphate multikinase (Ipmk)0	1.044127	0.9915931	2.069257	1.3677446	1.5011295	1,5193281	1.1580673	1.2946502	0.9034081	0.8561917	0.9838793	1.0022395	0.789633
Neuronal cell adhesion molecule (NrCAM)	1.0800363	1.020891	2,2825913	1.8684546	1,7329323	1.6831816	1.4847412	1.4069884	0.9251293	0.839731	1.1416728	0.9271785	0.81237507
Hepatocyte growth factor receptor	1.0413454	1.1783522	1,619093	1.4125973	1.4848931	1.1559952	1.1117414	1.1629409	0.97025806	1.0970489	1.1520454	1.0414447	1.1948588
Empty	1.1281892	0.9929711	3.4511805	1.8409791	2.0545459	2.0676186	1.8427459	1.7963368	0.95748188	0.79994698	1.0935373	0.87498605	0.63287836
Doparnine receptor D2	1.0123607	1.0960004	0.9132988	0,91410977	0.9361966	0.9316262	1.0208547	0.8869306	0.9492781	1.05485	0.97034436	0.9762797	1.198127
Phase-1 RCT-51	0.9934413	0.97480375	1.0561003	1.4493841	1,2881668	1.2314371	1.169828	1.1431782	0.929862	1.0009139	1.0908927	1.1655343	0.86587825
Four repeat ion channel	1,0610089	1.036244	1.4717604	1.2290332	1.2588402	1.1683635	1.1041131	1.2031785	0.9390252	0.9121486	1.0367212	-	0.81420185
Adrenomedullin	1.1739018	0.9922951	3.8080697	2.07841	2.28145	3.1400242	1.9227282	1.8066113	0.9965128	0,8213238	1.1718334	0.8647387	0.6249547
Caveolin-3	1.087354	1.0495561	1,4179622	1.3652444	1.3306944	1.1912453	1.1947563	1.1498367	_	0.85875034	1.0596118	969	0.76682997
Phase-1 RCT-129	1.0552771	1.0125002	1,522045	1.3251851	1.380972	12504565	1,2397163	1.1603438	-	0.89158595	-	-	0.98803437
Phase-1 RCT-84	0.9316334	0.9466144	1,4265515	1.1823213	1.3257244	1.0659639	1.0712032	1.1605563		1.0536588	1.0824053	-	1.0632077
Sarcoplasmic reticulum calcium ATPase	0.9287205	0.9384644	1 5350326	1.5856724	1 447074	1 2084446	1 1587361	8	0.81364155	1=	1	0 75563097	0.996683
Phase-1 RCT-79	0.9583775	0.96723425	1.9148917	1.3319074	1.2817572	1.5711489	1,3521655	+-	0.89593095	_	-	4	0.94903874
Phase-1 RCT-252	0.89360726	0.9370957	0.8760476	1.0619819	0.89610827	0.9893352	0.9989496	5	1.1619277	12	0.91849667	+-	0.89785905
Phase-1 RCT-151	1.060659	1.1639766	0.91456425	0.90693816	0.8744964	0.99731034	1.0427309	0.955547	1.5115621	٠.	1.4820772	4_	1.2541434
Phase-1 RCT-70	0.9553669	1.0549551	1,7051041	1.3427479	1,5116016	1,4461108	1.6805016	1,4653409	1.0653504	1.1042415	1.1353402	975	0.99733406
Phase-1 RCT-150	1.3224798	1.2185427	1.0829023	1.1660994	1.1307755		0.9999994	1.0805708	1.1207178	1.3643688	1,2050817	1.674181	1.2808758
25-hydroxyvitamin D3-1 alpha-tydroxylase	1.017624	0.97446656	1.2050146	1.0654873	1.0460558	-	1.0000805	1.0763292	0.7709698	┅	0.96085656	0.6597167	0.80617
Phase-1 RCT-119	0.96781725	0.95939624	1,263944	1.3399669	1.0026245	1.1279247	1.1824766	0.999261	0.9021513	_	0.93406004	1.1778346	1.011428
Peroxisornal 3-ketoacyt-CoA thiolase 2	1.386483	1.464731	0.76818603	1.0924329	0.92560947	0.96744466	1.0947299	0.911618	1.4823781	1.0847197	0.964679	1.0173235	0.9765198
Phase-1 RCT-146	0.99928075	0.77089494	1,5817168	1.1772492	1,774253	1.0324131	1.100679	1.1208054	1.0819753	0.88839011	1.0597003	0.9065082	98898735
Superoxide dismutase Mn	0.9966868	1.0715953	0.8900879	0.8272859	0.8460092	0.9387574	1.0553846	0.9939743	1.011633	1.0282447	0.9180772	0.7546416	1,2621955
Phase-1 RCT-115	1.1905501	1.1912601	1.4620652	1,321444	1,419874	1.3177303	1.2640803	1,243185	0.97225744	0.89099437	1.0760425	1.0409344	33076587
Alpha-1 microglobulin/bikunin precursor (Ambp)	1.0281191	1.0477533	0.6700303	0.74757355	0.71018726	-	0.82361805	0.9184158	0.9051377	~	0.92607456	1.5115155	1.0155208
Observ 4 DOT 40	0.0504500	0.004000	1010	10000	0010001	1000,000	00,000,0	100000	0,0000,	0,10000	100000	, 0,000	000000
Massin	4 4263480	0.901083	1.3701	1.1334/83	1.1360136	1.0951895	1.0789139	1.15040/5	1,0528640	1,0563413	1.0866085	1,2590121	1.010108
Decodo	1 0820525	0.9507624	2,0384336	4 8374074	1 849244	4 3648590	1 1852019	1 2287740	1 4015003	3 5	0.07854828	0.1327 1703	0.00/0202
Retinoid X receptor alpha	1.0123063	0.89416265	1,1258051	1.0681371	1,1250315	+-	0.99459356	0.97433263	1.0436534		-	_	1 200157
Cellular nucleic acid binding protein (CNBP)	0.9197855	0.8888959	0.8282339	0.7749042	0.7517588	-	0.93884087	0.97469413	0,6252138	+=	0.55604374	100	0.87950546
NADPH cytochrome P450 oxidoreductase	1.3123367	1.1763488	1.4819267	1.263225	1.5450389	1.23513	1,424303	1.1922088	1.6840928	1.4437758	1.789624	1.4941272	1.2914773
Malic enzyme	1.2397933	1.1023852	1.0772167	0.9107265	1.0779536	1.0643975	1.3321173	-	_	0.8048199	1.0621585	_	0.78480154
Caspase 1	1.0918163	0.96677434	1.0914099	0.91505075	0.92649865	0.9818975	1.1003833	_	0.87099286	0.86193615	0.8891325	0.7247177	0.8799398
Cystatin C	0.985853	0.8330676	0.97287226	0.9218378	0.9823004	0.9326809	0.82259995	1.1313648	0.7222297	0.82996255	0.5768945	_	1.017546
psscoc	1.0202894	0.9278312	1.1602806	1.0138327		-	0.87495315	1.1316959	0.9008254	0.8605592	1.0412344	-	0.93880147
Powally-node) polymerase	1.3036892	1.3005532	0.98883694	0.92057467	0.89747244	0.95858884	1.0347806	0.9171672	1.2706858	0.994122	1.0457635	0.9959393	1.1090475
Itssue plasminogen activator	0.99089175	1.0128971	1.2096735	0.91188174	0.9832287	1,02526	1.0561055	1.016692	1.0479386	_	-	0.95734596	0.9367948
Mutuang resistant protein-1	1.1/616/2	1.0595014	1.148508	0.89/392/	1.0323625	0.9017593	0.8550255	0.95971406	1.1415220	χİ	0.98101664	1.3183824	1.2401835
Prase-1 RCI-20/	1.0129689	1.1058992	1.3571469	1.1681944	1.0074805	1,2802753	1.2479931	1.1362997	1.1477638	0,67062575	0.7480431	0.7409238	0.72386056
Phase-1 RCI-181	0.97844756	1.0191449	1.2055087	1.1892859	1,3275175	1.0375993	1.1405653	1.0302811	0.939366	1.0437332	1.1510322	0.9674006	1.1123501
Cap function membrane charmer protein beta 1	0.96853256	1.1916395	2.0503433	1.74739	1.9090474	1.5659097	2.0329068	1.5717654	1.3849261	2.378586	3.0806988	1.8331068	1.5878716
Aguaporin-3 (AQP3)	0.9642112	1 2719256	1.584589	1.1273608	1 1014991	1.0517709	1 0150708	1.1303858	0 91647298	1 1236649	1 0545712	1 2479612	0.9537413
Myelin basic protein	1.023623	1.0673712	0.80539197	0.9728182	13199046	1.1031755	1 1292752	1 2169182	1 2565731	-	╁	1.9878705	0.9540068
Catarantin B3	1.0646389	1,1104083	1.1365695	1.037818	0.97621965	1,140303	1 1149786	1 0525291	1 5025436	-	;	0.90768384	0.9433808
			1 - 1 - 1 - 1 - 1 - 1		1200140100	1.1			Total Manager	127		0,000 00000 71	O'C TANK

201-1001	0.9565282	0.9565282 1.06151031 0.827665271 0.93342936 0.86047447 0.9823080 1.0062472 1.06074341 1.000000	0.82766527	0.93347936	0 86047447	A GROONED	1 0062172	1 0507494	4 220A0EA	4 000049	10000000	0000000	0.000
Proteasome activator 28 alpha	0.96969527	0.96969527 0.96598916 0.7495771 0.7216821 0.8839831 0.89996375 0.74735254 0.90401506 1.1432253	0.7495771	0.7216821	0.8639931	0.69996375	0.74735254	0.90401506	1.1432353	1 1993951	1 0369153 0 72708666 1 2722704	72708668	4 272770A
											2	1	1.51.52
(1) Gene expression data for 72 hour timepoint										1	+	+	
are presented as mean ratio of treatment/control		_											_
for all 72 hour predictive genes (Table 23).													-
			-										
(2) Compound and dose abbreviations as in										1	1		
Table 1.										-		_	
(3) Individual animal number				\dagger				1	1				
(4) Liver inflammation describedion for compound					1							-	
does another at 72 h: the poor population about 4.													
dose group at 12 it. yearled, inchests ucceived,										_			
yes-born, necrosis with imfammation observed;			_									•	
no, no histopathology observed	_												
•													
(5) Predictive gene (as in Table 23 and ac			1			-	+	1		†	-		
included in Table 26)					_								

Table 30. Expression Data for 72 Hour Timepoint													
Compound-Dose (2)	AZA 50		BAP 30	BAP 30	BEN 1000 E	BEN 1000 B	BEN 1000	BEN 250	BEN 250	BEN 250	RI 19 44	Bire 44	0110 44
Animal Number (3)	1829	2347	2348	2349	15	×	g	2027	2028	2029	1747	4778	4270
Gene Name (5)	2	2	2	8	2	o.	2	2	no	2	9	2	2
Phase-1 RCT-107	0 79142944	0 7449406	0 04047400	10,00								ш	
Betaine homocysteine methyltransferase (BHMT)	0.25097238	1	4 4020500	4 6403082	0.8051704		0.93411756	1.1676675	0.73324174	0.6700099	0.770788	_	0.90768397
Proliferating cell nuclear antigen gene	0.9477596	0.9643259	1 559482	0.8370614	0.4103645	4 4077307	1,2323554	1.3290441	0.92106205	0.9933548	0.8964349	0.78755536	1.357828
Cytochrome P450 2D18	0.9916465	1.0011578	0.9925089	1.0810784	1.2508193	-	_	1 0826880	0.92202383	0.83/3885	0.9530206	٧,	0.8840921
Cytochrome P450 2C11	0.095210664	0.7171882	0.9117176	0.78350115	1.1316131	1.3520124	1.0466636	1.3090224	0.7224247		0.2730230	1.2386988	1,0121467
Phase-1 RCT-290	0.5599361	0.9825976	0.9644496	1,1854625	0.76094854	0.8863219	1 0634284	1 284377R	١,	L	0 000000107		0.70073245
Phase-1 RCT-59	1.3213576	0.7194699	0.8385385	0.8310923	0.9232911	1.068983	0.9210914	0.8492368		_L_	0.00003214	0.755285	1.0645541
Beta-actin, seguence 2	0.88292444	0.98662937	1.1742547	1.0608207	1.2104832	0.7723189	1.0436871	1.1561888	0.9565587	1 0054355	1 1667067		1,0133015
Phase-1 KCI-292	1.0838637	0.7682573	0.8790797	0.8245135	0.9146635	1.0942997	-	0 98 103964	0.0747865	J٢	0 7444780	0007101010	0.0000000000000000000000000000000000000
Pynyate kinase, muscle	1.4377903	0.82577825	1.022199	0.90395707	1.5133659	1_	4	0.84655786	O 96804243		0 9705709	0.0901236	0.63804536
Osteoactivin	1.1061507	0.76336664	0.9208267	0.9368166	1.7714854	<u>L</u> _	-	1.0276345	0.9759598		0.77430826	0.0863022	1.1004010
Calgranuin B1	1.2506936	0.97439575	_	0.89597094	1.0619961	0.91598684	1.145995	0.9242735	0.90848595		1 0421301	1 0122808	1 045017
Comparin 20	0.3165645	0.5767774	_	0.45181423	0.7038816	0.7520074 0	0.83348715	1,489308	0.9021405	1.142229	0.8286327	0.808896	1 104384
Dhee 1 DCT 100	0.8591462	1.165488	0.7771542	1.0334357	1.1942397	0.9394704	1.3685362	0.9891223	1.0199225	1.0107514	1.1378717	1.4948773	1 329832
Charles and the second	21473334	1.0879145	1.0459028	1.0469099	1.0627174	0.7249818	1.215206	1.215206 0.93232745	1.0329255	1.0110549	1.247419	1 0086683	1 2070813
delong annual forms	0.39990503	0.73217434	0.84916556	0.7744513	0.9673993	1.0206501	1.054314	1.3632704	0.6994995	0.5862431	0.9854073	0.73918337	1 3488361
Dhang 4 Dort age	0.3286299	1.332763	1.1483657	1.2499074	0.9687213	0.63188654	1.2361953	1.2850347	1.455677	1.1256082	1.4096702	1 4551622	1 1884141
Cartonia substance III	0.71734554	1.2626958		1.2165221	1.1188514	0.8270977	1.2311041	1.2047098	1.2319404	1.3974558	0.9601595	0.9149379	1 18B10RR
Dece 4 Dor 70	0.08136	0.45479453		0.47611085	1.5424666	1.0420501	1.8967223	2819897	1.3566618	0.8310047	1.2613963	0 81080145	0 59099787
Circles of the contract of the	0.7580867	0.94684523 0.87289155	0.87289155	0.9863577	1.1548288	0.8828036	1.0025762	1.1865907	0.97080624	_	۱,	1 0174007	4 4970K70
Ormary protein 2 predusor	0.23192853	1.1035111		_		_	0.94743687		1.387724	1.3739301	1.0888771	0 92710334	0.8602225
And sufficiences	0.37035337	1.1034846	-	0.92887574	1.0847634	Ц		0.78738286	1.3650273	1.3056902	1.4077797	1.1036257	0.9182893
Phase-1 RCT-185	0.4302/33	1.0000043	1.3876237	1.216413		4	ᅱ	1.3765302	1.1569061	1.0026655	0.81813806	0.78804286	0.9244348
Cofflin	1 1968778		1 0518005	4 4700445	-	4	1.5273117	1.24653	1.1096141	1.0398601	1.1407094	0.835798	1.0425564
Stathmin	0.9389561	1 0648342		1.1/09/145	1.0930597	_	0.9886786	1.1164256	1.135401	-	1.4247706	1.159303	1.1644197
60S ribosomal protein L6	1821971	1 0829839		_	0000015000	١.	0.6386228	1.0049565	0.98903805	-	0.82510126	0.9204439	0.8018185
Calpactin I heavy chain	1.3593363	0.81743776	1 0142207	1 1009441	1.0412484	1,0205442		٠.	0.9719621 0.97432405	0.97432405	1,465312	1.1800829	1.0979178
Collagen type II	0.70145947	0.615554	0.714.289	0 8448648	0.0020000	Ľ		_		0.8675928	1.0717795	Ŧ	0.98458797
Phase-1 RCT-179	1.1693785	0.9040349	1.1635467	0.8116379	0.9207033	1 025312	0.3412344	4.47E4EB		1.95024127	1.5536934	0.970741	1.0920753
Voltage-dependent anion channel 2 (Vdac2)	1.8957951	1.2575265	1.2619334	1,3226562	٠.	1	1 2817120	1 1243664	4 403042	1 1664660	1.1/504/1	1.4347752	1.0461354
Phase-1 RCT-192	3.4208527	0.75086284	+	0.71977025	+-	L	1.0818047	1 0746738	1 0390316	1 0745344	1 0207705	1.172805	1.188067
Adenine nucleatide transfocator 1	0.91043293	0.72264206	0.8928698	0.834797	0.9068423	-	0.82517886	1.1944734	1 0293244	1 2970784	1 2361261		0.03260315
I nymosin beta-10	1.2631198	1.119317	1.1637752	1.2710003	1.427014	0.8808691	-	0.89497185	+	0 94546854	-1-	-	1 0298080
ngu aminiy ige receptor gamma chain (FcERigamma)	1.024774	0.836903	1.17582	0.931718	1.3379341	1.0103543	-	1.0306318		1.0324378	_	0.8823861	1.1226264
Gamma-actin, cytoplasmic	0.81356394	1.199802	1 0019974	0 98284876	1 0832158	0.0964440	0007070	4 4000700	2004000				
Uncoupling protein 2	1.2096642	0.9362439	_	1 1601501				1.1300/00	0.9042902				0.95322675
Phase-1 RCT-34		0.95321375	1 0547823	1 0498784	-	4			0.50705335	_	_	-	1.2343676
Phase-1 RCT-31	0.96683896	1.2662994	1 0632564	1 473046F	1 4063662	┸	1,00000	1.2340/00	1.00000.1	1.03/9144	1.00/3506	-	0.74518865
Cyclin D1	1.1807173	0.9464434	-	_	┸	1	0.0777244	0.00174.1	1.1821285	1.3269012	1.2245398	1.2554688	1.034503
IgE binding protein	1.2180369	0.95296335	1=	-	1		0.8772000	0.035703	1.0732175	1.0045903		1.0217469	1.2867069
Zinc finger protein	1.1009141		0.94010305	1	L		4_	-		1.0390234	= 1:	0.81227185	1.0021703
Phase-1 RCT-138	1.0106408	0.80868644	1.0814918	+=	L	1.0545361	4			0.00557405	0.7472000	0.8014828	1.05/48/1
Apha-tubulin	1.5468941	1.1650293	1.1102129	1.145896	L	٠.	I.	+-	-	0.847490	4 4244200	0.5150001	1.0282143
Apha-prothymosin	0.7982293	0.9846683	0.9794615	1.2747164	12:	╙	1	+-	1.1483152	1 1435899	1 2243212	0 8547038	1.1045039
Dhara 1 DCT 13	1.285774		_	1.0079275	ш	0.98820704		0.96260905	-	0.97497636	0.890797	-	0 97558767
Catherein R	1.695876	0.900623	-+	0.89769655		Ц	-	0.92357177	0.8781523	_	0.85211974	_	1.1007844
Phase-1 RCT-24		1.4048829	_		_	_	1,5163757	1.0602698	1.0057857	-	2	0.97828317	1,1089082
Melanoma-associated antigen ME491	0.83043474	0.09032955			4	4	_	0.94522154	0.8408493	0.7723461	1.3147074	1.3208374	1.1176499
	U.003%ONT	0.63943474 0.46969375 0.74579835	- 1	1.0950565	1.2160808	1.0265638	1.203987	0.9483482	1.0365373	0.8786986	0.8105096	0.7377471	0.94213086

Phase-1 RCT-68	4 4242802	4 4040075	4 400,000	1	-								
Cydin G		1.0382359	0.9539309	1.0322201	1.135655	1 0030637	0.9283909	0.9488069	0.99966156	0.9113449	0.93064356	0.8852686	1.0042715
Hypoxanthine-guenine phosphortbosyltransferase	_	1.0203968	0.90796965	1.1034418	—	0.68620884		0.8857088	0.826262	0.7554023	1.2845741	0.9518978	1.099178
Tissue Inhibitor of metalloproteinases-1	1.0918638	0.890623	1,3228962	1.1419069	1,5197718	1.4303877	1.0752618	0.8002867	0.83399546	0.82248678	0.9575088	O RAZERROS	0.05104757
-0	1.7006416	0.91018355	0.899657	0.96313685	0.8867182	1.1593407	0.9927584	0.7844077	0.79582655	0.76594865	1,1762869	1 4049158	1 2611916
Kuposomai protein S9	1.3967657	1.3480418	1.1576551	1.4237312	=	0.72817004	0.973701	0.8929449	1.1997304	0.9336507	1.3643243	1.0726833	0.93823063
Ribosomal ombein S8	9 794 9078	0.85153868	1.1506398	0.99766165	1.0298542	0.9250947	0.9828153	0.8731903	0.8692938	0.88147026	0.8397486	0.9217719	1.1511713
Ribosomal protein S17	2.3542352	1.3764111	1 3232287	1.303073	1 2848844	0.8619207	1.4608013	1.1272455	12637554	1.2709147	1.2131903	1.0241473	1.0224441
Nucleoside diphosphate kinase beta isoform	3.3242455	1.2286618	1.0921459	1.1741147	1.0298749	0.9143966	1 23 1 50 38	0 9302101	1 030430	0 9380457	1,102/694	4 025/65/04	1 1088467207
Phase-1 RCT-121	0.73600936	0.6282476	0.93004628	0.6098528	0.8520106	1.0747252	0.7157901	0.9160819	0.8821367	0.88025665	0.7969895	0.9928327	0.96179545
14-4-5 Zeta	1.1592737	0.84969374	0.8965724	0.93464506	0.85087385	379	0.86558887	1.0003854	0.841208	0.8152799	1.3925308	1.2182678	1.2669629
Beta-tubulin, class 1	2.2601/93	1.2895632	1 2323554	1,2353194	-	0.8703739	1.3836125	1.0856886	1,0876548	1.1374096	1,2281413	1.1216782	1.0852697
Organic cation transporter 3	1 546774	1.4343242	1,319456	1.392385	۲,	0.97416276	1.1584315	0.9083484	0.9226453	0.78874797	1.5409166	1.5389569	1.0206902
Beta-actin	0.7794975	علا	0.8541617	1,000453	0.9871021	4.0050057	1.3326048	0.9688837	9	1.0046504	0.9150084	1.0142077	0.9462636
Cathepsin S	1.021293	_	1 6541262	1 1219262	1 1847305	cla	0.91//250	1.0360965	0.505.073	0.74066126	1.0993712	1.1594763	0.9955575
Biliverdin reductase	1.2323927	1.0420711	1.1145922	1.1027629	1.0093299	-	1 0073342	glg	0.88887405	0.707082	1.0114208	1.086/886	1.4757975
Phase-1 RCT-154	2.0430875	0.7850464	1.0187016	0.8785542	0.9251086	1.0520084	1.0029158	0.9946986	0.965987	0 8398218	-	0.00008970	1.0343041
Phase-1 RCT-293	0.9224728	1.2008556	1.3799914	1.197904	1.7621447	1.1750623	1.4691037	0.8535771	1,0210873	0.9496139	0.7826382	0 7685795	0.86782017
Amexin V	0.94885385	1.0325953	1.1029941	1.0554248	0.9026006	1.0185215	1.0519643	0.921005	1.118881	1.0234855	0.83322215	0.8862456	0.88428813
Complement ractor I (CPI)	1.4178868	1.5489458	1.5052885	1.3018781	1.5377402	1.0916836	1.219861	1.1097711	1.1596334	1,2586263	1,2168313	1.2141863	1.1064612
Frase-1 RCI-2/6	1.0778616	-	1.0998352	0.98602694	1.1090678	0.91078925	1.2333301	1.2222514	1.0973458	1.0620038	0.7979239	0.83113986	0.86912376
Chething pomoidses	1.0966268	1.7488841	1.0576845	1.2865059	1.1162676	0.75758195	1.358928	1.3195057	1.1713815	1.2851095	0.6772327	0.86987644	0.74828684
Histifine act aluminatela	0.017854	1.1835043	1.1184565	1.2743407	-	0.67243993	1.4321299	0.9533326	1.3506052	1.0677469	1.7937425	1,5364897	0.8812103
Carbonic anhydrase III. searence 2	0 20240782	0.8388/166	1.5603467	0.89516026	1.3121176	1.0388213	1.7138325	1.6449374	1.567918	1.374128	0.6190827	0.7136079	0.8792981
Phase-1 RCT-92	0 4402047	0.70749000	4 4377757	0.0217403	1.2830998	865819870	1.6203104	1.515221	1.4848889	1.2547387	0.9463226	0.7331132	0.8956158
Transitional endoplasmic reticulum ATPase	0.94859195	0.8820166	1.0974638	. .	0.89902204	0.0057353	1.0239486 0.84250485	1.410/603	1.3251274	1.2216482	1.2631543	0.9108015	0.9863233
Phase-1 RCT-88	0.4600316	0.72760195	1.1058184	+-	1.0883614	1.0853187	+-	1 3075085	1 284010	1 2	1.3376303	0.50930	1.1471248
Phase-1 RCT-296	0.4428437	1.489199	1.2187653	1.1457603	0.77019423	1.0924244	1.4682772	0.7625347	1.438431	_	1,6294748	1 4925274	1 1728101
Present RCI-161	0.31106746	0.64872736	0.79214644	0.7111182	0.859289	1.1143267	0.90011454	1.0272293	1.001904	0.93752295	1,2733613	1.1058048	0.78728155
Phase 1 RCT.168	1.1615282	1.637086	132	1.1300261	22	_	1.0906599	1.1124417	1.0428691		1.2949823	1.3989816	1.0915068
Phase-1 RCT-182	1.021205	COCZCORO .	4 2002443		_	4	1.0250148	1.0183924	1.0649315	2	0.93957645	1.1150498	1.2885447
JNK1 stress activated protein kinase	0.04743014	1 0054401	1.2002113	1.0000017		0.68854206	1.0633597	1.2515844	1.1496046	øl.		1.1740179	1.0219277
Phase-1 RCT-81	0.972480	1 0302714	1 0628395	10185001	4 4467057	0.7852892	1 2022002	1.6244595	1.0/15865	= 1	0.79896945	0.83141226	7-
Phase-1 RCT-33	0.6763406	1,3428836	0.8911326	1.2404907	-	0 92524225	1 0794586	1 088951	1.0377302	1.04/1642	1 2002642	1 2448574	0.9657707
Phase-1 RCT-178	0.57045835	0.46226844	-	0.47532353	0.80667406	2	0.83205104	1.1559143	0.770252	0 7375102	0.973254	0 6455707	1 1921285
Apolipoprotein CIII	0.39300805	0.8705465	0.8581371	1.0271734	0.92257977	0.61801326	1.1737684	1.2714211	1.0161208	: -	0.98120373	0.8762076	0 75623244
Phase-1 RCT-98	0.88302654	0.8925944	-	-	0.9225458		0.84767556	0.9934315	1.0553612	-	8	14	0.90033555
Alaba 1 - inhibitor III	0.7627323	1.133877	0.9866618	-	0.99856424 0.82583016		1.3494244	1.0112607	1.0922321	1.118832	1.0198509	0.7871663	1.0966666
Phase-1 RCT-233	0.007,20043		0.770000	1.1106013	1.3074633	_	1.2669687	1.3403766	1.3732904	1.747658	-+	_	0.71700287
Paraoxonase 1	0.30282995	2 5	1 7834949	1 8480007	0.870637	1.14896/6 C	1.0770260	1.2583588	1.0560149	1.1107209	_	0.71946784	0.8730228
Presentin-1	0.32364902	0.83496984	0.8037624	1,121465	1=	0.77708054	1 1820492	1 2487241	1 2674846	1.4494330	1.2704696	1.3983388	0.996643
Apolipaprotein C1	0.55781794	0.8559626	1.1873101	0.939979	<u>-</u>	0.67171097	1.760457	1 4877951	-	0.8709695	1 0040104	واد	0.7378623
Суюстать Р450 2С23	0.3716227	1.087542	1.2884505	1.2465564	-	١	0.92723155	1.0942745	+	1.2813577	1 4526384	4-	0 684024
Phase-1 RCT-227	0.359174	1.1867534	1.1043403	1,3853403	1.3205866	Ш	1.3931638	1.6694032	1.0077701	1.0667775	1,0955145		0 97182895
reparc upase	0.35546094	0.8521653	0.6083686	0.86878175	0.8339197	1.130097 0	0.79465497	1.3503981	1.1444099	1.096601	1.2773759	. 	0.99182636
Mididate mointent autoit 3	0.567269	1.0568389	1.1784492	ত্ৰ	0.8109757	<u></u>	0.91565496	1,0867054	1.1984155	1.0400144	0.82648987	٠.	1,82516456
mounting resistant protein-c	1.8041688	1.5343723	1.5238523	-	0.99748327	4	0.9895806	-	0.87154776	0.9262476	1.4572119	1.3279049	1.2645026
N-bydrox-2-acetylaminoff mene suffitters ferse	0.40494672	28010/0.1	4 2770467	-	0.94774157	_	0.9557478	-	1,2708176	1.3499405	1,195696	1,2506033	0.9919701
(ST1C1)	0.417.82000	70000000	7010/77:1	7517978.0	0.9928929	1.0045737	1.0563786	1.2624698	0.95133626	1.4696425	1.0394673	1.1583676	1.012859
Dynamin-1 (D100)	0.61613804	0.83580816	0.8813726	0.8808237	0.8340156	1.120753	0.8736473	1.2150725	1.0570892	1.0090847	0 72314274	0.6816821	0.8203214
DNA polymerase beta	1.2536064	1.2544768	1.3694757	1.2834631	1.1453756	ᆫ	0.9893442	1.0982983	1.1937805		┸	1.0830169	0.8942734
						ı							1717

Phase-1 RCT-173	0.74361205	0.8552747	1.04109	1.1096245	0.8185605	1 034622R	O ZROROA	1 0804074	0.00521315	0 8000522	0.0333551	0.84530648	20031310
Ubiquitin conjugating enzyme (RAD 6 homologue)		1.0478432	1.133723	1.1227317	0.78715118	0.8152418	0.8822445		1.2037278	0.9841311	0.8046921		0.989395
Dibosomol amisia I 494	4 4 400000	4 0004 400											
Charles protein Lian	00000	2031405	1.1/3313	1.3130027	1.18/1856	-	1.3814647	0.90263164	1.0166959	0.95221555	1.3317788	0.9380477	0.9932083
Prissent RCI-144	1.0970395	0.911614	0.9085678	0.7890953	0.86815405	-	0.91316724	0.9088324	0.898292	0.87605198	0.7942173	0.855005	0.8572915
Victing management of the state	1.1635368	1.087.7024	1.1160933	1.007726	1.0531057	0.8963443	1.056163		1.0523001	1.0614903	1.2809914	1.0993278	1,0501595
Phase-1 RCT-273	0.92400944	1.0120884	1.0496145	0.6993820	1.1283938	1.0313826	1.026417		0.94112176	0.87669903	0.7012865	0.7782001	0.738076
Phase-1 RCT-230	0.9083772	0.762079	1 0144832	0 7830585	1 1820228	1 039649R	1 116540	0.0130004	0.0021030	1,0033002	0.747367	0.0000430	0.0001034
Phase-1 RCT-74	0.95536965	0.65835404	0.72008777	0.65954137	+	+	_	-	0.83713808	0 8490225	O ROBOARAS		0.6583666
Phase-1 RCT-80	0.9428203		0.8131585	0.7214198	-	-	1 0841286		0.82652705	0 7660092	0.6513488	_	0 7275241
Phase-1 RCT-158	0.9453022	0.6961604	0.80002534	0.6098568	-	1.1007233	+-	_	0.8542287	0.8798309	0 63948524	0 84488	0 774316
Deoxycytidine kinase	0.8986944	0.82498735	٠.	0.90774226	0.9261885	1	-	0.82650197	1 040525	1 0489169	4-	0 74045636	0 82610383
Inositol polyphosphate multikinase (Ipmk)0	0.8571042	0.6325483	-	0.6863986	.	٠.		0.840439	0.8914221	0.8637989	_	0 7917818	0 7492578
Neuronal cell adhesion molecule (NrCAM)	1.1047597	0.6513086	-	0.70199245	-	0.9944266	1 0465928	0.7025158	0.754193	0.7081828	0 647205	0.693538	0 7126558
Hepatocyte growth factor receptor	1.0703664	1.0889473	-	1.1411107	1 0893624	1 1562079	4	+-	0 93396795	0.71987568	1 1221156	0 98740554	1 1410156
Empty	0.8983948	0.7166109		0,68183076	1.0090557	-	-		0.7681365	0.647984	0.5803854	. 1 -	0 68595034
Dopamine receptor D2	1.0105915	1,3620311	1.2021655	1.2681729	1,0149573	_	0.9872234	1.1314172	1,1951385	1,2039163	0.95118165		1.089236
Phase-1 RCT-51	0.95366085	0.7770222	0.7254397	0.720865	1.0076925	1.0163461	1.0603843	0.9432031	1.0111922	0.8960858	0.71172684	0.7759855	0.835742
Four repeat ion channel	0.97203326	0.72510934	0.7322732	0.6874378	0.8589208	0.9440333	0.8471656	0.7984189	0.88266194	0.8867301	0.80800307	0.86143744	0.84482324
Adrenomedullin	0.7294178	0.54438955	7	0.56156665	1.0210974	1.061255	0.9717027		0.85215074	0.63749653	0.5901886	0.9429038	0.6720746
Caveolin-3	0.9595617	0.5895777	0.6805382	0.6387076	0.858731	1.0181607	0.85870063	0.76956105	0.820748	0.8063829	0.7511948	0.7928816	0.95443475
Phase-1 RCT-129	1.177978	0.830386	0.72615266	0.6407689	0.87272894			_	0.86422133	0.86786765	0.74846363	0.90307355	0.8476702
Phase-1 RCT-94	0.8340753	0.74446994	0.79514843	0.7216683	0.8695024	_	0.89997258	0.87455595	0.9665891	0.93286854		0.78254664	0.86136335
Saroplasific reticulum calcium ATPase	0.9928782	0.9668143	1.0288862	0.837791	1.174048	1.0175198		1.0460963	1.0414807	1.0133386	_	0.92313004	1.0250497
Pigge-1 RC1-78	1.0230724	0.9269892	1.0342219	0.753966	1.1248411	0.9644676		0.92053026	0.97177273	0.860781	0.8773144	0.919755	0.9121779
Dhase-1 DCT-152	0.85336286	1.23/1502	0.92337885	1.2492961	0.9507404	0.8265721	1.0061048	-	1.2592216	1.248652	1.281927	1.0175829	1.0899842
Phase-1 RCT-70	0.09444705	0 82484508	0 720 7700 4	1.120/921	1.3010433		2818812.1	-	0.93686414	0.89048445	12000	1.3466024	1.0400337
Phase-1 RCT-150	0.9821709	1.0968089		1 1334056	1 1827052	0.2002114	4 3485378	4 4055553	0.8226/39	0 8077499	1 8718758	4 2423475	1 3248494
25-hydroxyvítamín D3-1 alpha-hydroxylase	0.73577005	0.73660386	0.7973889	0.70594025	0.8593305		0.83318615	0.83067673	0.8832696	0.78913563	0 7108257	0 68333746	4 42205B
Phase-1 RCT-119	0.7818062	0.9759615	-	0.90767248	1.0189375		_	1.1978037	1.313411	1,2899363	+	0,75686103	0.9264387
Peroxisomal 3-ketoacyl-CoA thiolase 2	2.1030467	1,4889898	1.0038978	1.3996197	1.1735317	0.8761957	1.5490313	1,3701257	1,0602139	1.0222776	1.1780803	1.5826882	1.2977588
Phase-1 RCT-146	0.90163064	0,81890756	0.82098496	0.7638132	0.8982046	1.1127162	0.8616027	0.82498497	0.94544035	0.91420263	0.70544668	0.6956933	0.74203044
Superoxide dismutase Mn	0.9773903	1,3890352	1.4774569	1.4629307	1.2777001	0.78304017	1.110386	1.1104456	1.0722833	0.97865224	1.3923302	1.1504905	1.2056875
Phase-1 RCT-115	0.9987348	0.7316462	0.7889273	0.79406524	1.1263459	0.9527578		0.81585618	0.798269	0.7167799	0.82754018	0.85836375	0.91062593
Apha-1 mcrogobulin/bikunin precursor (Ambp)	0.8410222	1.2573711	1.2025913	1.1508174	1.1911471	0.6508022	1.5434134	1.1323805	1.0715091	1.1059785	1.3424433	1.1163338	1.0670485
Phase-1 RCT-18	1.1370975	0.77052738	0.83752656	0.77079548	0.8623078	0.9825864	0.86370385	0.8866467	0.90513253	0.92147434	0.87904817	0.92332006	0 9461685
Maspin	0.8689377	0.91314584	1.0005991	0.83575284	1.1025361	_	1.0181675	_		_	-	0.7741338	0.6695521
Decorin	0.95130386	0.64660475	1.0226591	0.3164752	1.025155	1.0044997	0.9975509		0.81466025	0.86887836	0.8169273	0.78278773	0.727167
Retinoid X receptor alpha	1.1945384	0.69699868	0.71527195	0.6790144	0.95126		0.9009827	\rightarrow	0.95246064	0.81818694	1.0832388	1.1713302	1.1270566
Celturar nucleic acid binding protein (CNBP)	0.6838088	1.108388	_	1.3303168	0.9311855			_	1.100257		_	0.92983838	0.9058585
Malic engress	2049034	1,096/96/	0.61/0249	0.933//805	1.1359322	1.1689893	_	_	0.87668935	_	0.89615387		1.3056045
Caspase 1	0.43000140	0 6855808	0.8549065	0.6400404	0.0040134	1.0428132	0.6593249	1.024401	1.007/7001	1.081103	0.6832709	0.5692054	0.81440943
Cystatin C	0.8303401	1.0605918	1.4650395	1 222467	1 2014495			10179199	0 9486784	1 0671415	1 1238804	1 1496502	1 0474608
OCC STATE OF THE PROPERTY OF T	1.0718423	1,459468	1.0146687	+=	0.84915394	٠.	0,8275939	0.6879033	0.9709503	-	0 91422584	+	0 98105146
Poly(ADP-ribose) polymerase	1.2187282	1.028819	0.8772701	-	0.8329671	-		-	0.84006745	·	1.1377742	_	1.1434295
Tissue plasminogen activator	0.967958	0.9473354	0.85541835	Н	0.96080476	0.9879285	0.9127719	1.0317382	1.0074824	1.0572953	1.0224247	0.9295122	0.8748591
Mutodrug resistant protein-1	1,7496847	1.6613973	1,5027198	ᅰ	0.99778104	1.1051728	-	0.85981214	0.85925	0.9147982	1.2875256	1,2250693	1.1687099
Phase-1 RCT-207	1.291643	0.7774006	_	0.8347801	0.8596423	1.1037924		0.9220811	0.808013	0.78479235	0.6879979	1.2464557	0.91260767
Phase-1 RCT-181	0.7370218	0.8730193	_	0.91643685	0.870792	1.0334269	_	0.84242505	1.0200114	0.9720082		0.95124114	1.0964903
Gap Junction membrane channes protein beta 1	1.0149734	0.87900156	0.4543308	0.73368156	1.4557312	1.0304836	1.11928	1.020568	0.8151162	1.0013268	1.2539138	1.4014801	1.8647183
Aquaporin-3 (AQP3)	0.9330002	0.78836524	0.7020149	0 701807R	0 91305834	1 0244967	0.89349724	0 94549746	0.06111345	O SOROSOO	0 7005171	0.8645832	A 838840E6
Myelin basic protein	1.1207024	0.85523975	0.8273882	٠.		-		_	0.81101155	D R507183	1 3047372	_	1 3908151
Calgrandin B3	1.3587458	0.93844277	0.95086724	0.9556114	1,0037698	+-	-	_		0.90054274	0.9568179	1 0760739	0 9419831
										,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	121100000	120,000	0.0710001

se-1 RCT-158	1.3058443	1.3056443 1.0005314 0.7993933	0.7993933		1.0477419	0.672004 1.0477419 0.842767 1.0537775 1.1551683 0.9625714 1.0862372 1.012525 1.1063913	1,0537775	1.1551683	0.9625714	1.0862372	1,012525	1.1063913	1.1800071
teasome activator 28 alpha	1.0633702	1.0633702 1.4184581	1.6625012	1.6625012 1.5465195	1.1948743	1.1948743 0.67887868	1.4350364	1.4350364 0.96876276	1.0518527	1.12212	1.12212 1.2527548 1.3931342	1,3931342	1,198631
						-				-			
Gene expression data for 72 hour timepoint presented as mean ratio of treatment/control all 72 hour predictive genes (Table 23).						-							
		-											
Compound and dose abbreviations as in ole 1.													
Individual animal number													
Liver inflammation classification for compound to group at 72 h; yes-necr, necrosis observed; s-both, necrosis with inflammation observed;													
no histopathology observed													
Predictive gene (as in Table 23 and as tuded in Table 28)					·								

Table 30. Expression Data for 72 Hour Timepoint (1)													
	П						1						
2)	1	CAD 1	CAD 1	CAD 2	CAD 2	CAD 2	CAR 16	CAR 16	CAR 16	CCI 4 250	CCI 4 250	CC 4 250	04C 2 DHO
Antitial Number (3)	627	628	629	6374	838	83	1857	1858	1859	Ę	8	18	1827
Liver Toxicity inflammation Classification (4)	2	2	10	OL	2		2	-	2				2
Gene Name (5)										Τ	T	Τ	2
Friase-1 RC1-107	0.9413157		1.0465444	0.95489544	0.83684087	0.8397681	0.8367502	1,3881271	1.0904388	0.63838035	0.5097365	0.8211671	1 0436077
Betaine homocysteine methyltransferase (BHMT)	1.0972499	0.51259667	_	0.34189126	0.6463215	0.22061689	0.22560033	0.7926675			0.40573958	1.0057766	0 86532947
Province aung cell ruckear antigen gene	0.88832426	1.0724043	0.9362658	12198149	0.8378839	0.89695233	1.3174077	1.150227	1.0542336	1.0520881	1,3001784	1.0824805	0.8692914
Cylocarome P450 2D18	0.8791995	0.8791995 0.48800954	0.8907357		0.9351507	_	0.72882515	1.22754	1.0498057	0.7857627	0.63792104	0.9022843	1.1316547
Cytochrome P450 2C11	0.5621371	0.60280967	0.9477837	0.9477837 0.42051163	0.96739936	1.1038461	0.9508049	0.89162296	0.76225764		0.60267264	0.6021777	0.8732856
FT838-1 KCI-280	1.1585186	0.7725083	0.9245088	0.634636	0.8556271	0.5994872	0.4366021	0.8605556	0.5210409	0.6957201	0.4584549	1.0227278	0.95009696
Phase-1 RCT-59	0.9625121	0.9031705	0.9031705 0.76727474	0.80327696	0.8645518	0.972289	3.5830996	2.6064954	1.7264248	0.8976132	1 0931864	0.9150231	1 4390785
Beta-actin, sequence 2	1.1085948	2.1499083	2.8420577	1.9619273	1.7954544	1.6174324	1.1473204	0.8185862	1.0506712	1.328087	1.169625	1 0848084	0.96828634
Phase-1 KCI-292	1.0267116	0.94980365	1.0773171	1.1744982	1.1335309	1.1038461	0.82120895		0.95297384	-	0.82924783	0.8989288	0 9301138
Pyruvate kinase, muscle	1.0721862	0.9030008	1.1117191	1.319308	1.1423928	1.1922361			1.091483		0,83157486	10811096	0.9010863
Osteoactivin	1.099122	1.0665325	1.172157	1.7863933	1.1931956	1.2394882	1.1410328	1.1045834	1.0791085		1.9926043	1.8305382	1 0019327
Calgranulin 61	1.0334004	1.069343	1.3357502	1.2159463	0.9760068	0.8419901	-	1.241617	1.1506641	1.3178092	1.4913837	1.065474	1 12490B1
Apolipoprotein Ali	0.77221614	1.914279	2.8755283	2.7566767	1.6149586	0.6085442	0.24395797		0.47672057		0.35863864	0.4930623	0 7524521
Comexin-32	0.9037707	0.93830323	0.9548865	0.9897215	0.88933825	0.9299802	0.9736014	1.4769739	1.2931671	1.0437133	0.69110304	0.9851075	1 3244222
Phase-1 RCT-109	1.0147148	1.5853276	1.9990431	1,7071104	1.2716018	-	0.93175024 0,93769705		0.96288383	1.1022388	1.0939122	10216124	0.96359793
Gycine methyltransferase	0.7331911	0.78911173		1.1693579		_	0,3698674			0.49818102	0.3624067	0.7805239	1 1719779
Description of Det age	0.7966122	0.427835		0.55840653			0.39564782 0.56315696		0.46919945	1.3268253	0.8930489	1.0984423	0.85080337
Corporation of the Corporation	1.095533	0.973993	1.4320648	1.0535504	_		0.6711399		0.83147764	1.0573386	0.92767348		1.1042953
Cardonic annydrase III	0.78045344	0.5732025	0.813779	0.2245906 0.49641147			0.30890968	0.85074365	1.0509824	1.4826585	2.2833285	0.9996855	1,6325665
Friase-1 RCI-78	0.9453382	1.1898044	1,1710012	1.0400124	1.1653006			0.945805	0.945805 0.92963505	0.9067008	0.8544339	+-	0.89345706
United protein 2 predursor	1.0659472	1.2079859	1.1646607	1.1230413	1.2803812	1.0487993	0.28232285		0.43466014	0.7327986	0.7899811	-	0.6960456
And endotraneformen	4 0040005	1.2053192	1.0882589		1.3351289	-		_	0.59897023	0.8062836	0.852684	0.746143	0.91881245
Phase-1 RCT-185	0.04493466	1 091609	4 0446453	-1-	0.89629865	0.7546067		0.68095696	0.6378617			-	0.85839244
Coffin	1 1154919	0 80231753	0 8437540	1000001	200000			0.74426013 0.91374296	0.91374296	Ŧ		0.99280717	0.8598035
Stathmin	0.8864513	0 8924688	1 1206372	1 5000474	_	0.8333179		0.04230130	0.896046	1.0004//2	1.2092881	-	1.0015084
60S ribosomal protein L6	1.0292033	1.3426235	1 3117093	1 1580418		-	0.80342310	0.8573752	1.012/932	1.4216938	1.7862334	_	0.94310164
Calpactin I heavy chain	1.086534	1.0345411	1 081489	1 3812785	1 1311082	_	4 944464		4.05050304	1.10255/8	1.30/4186	1.038103	1.3277925
Collagen type (I	0.96236223	0.7092298	1.3465931	_	-	0.89728447	4 3377704	1.3332307	1/00/1/2011	1.23bubbsh	1.36/7496	1.2208787	1,3199887
Phase-1 RCT-179	0.9101587	0.9301364	1.148666			0.9198718	1 1505094	1 0745231	1 1404030	0.0604489	1,0300104	C1444127	278000
Voltage-dependent anion channel 2 (Vdac2)	1.0741417	1.2761326	1.3867217	1.609847	1.5170978	1 1603104	1 2869893	1 005064	1 24673	4 4656834	4 520005	4 2472002	4 4043740
Phase-1 RCT-192	1.2242922	0.98067164	1.190821	1.3025424	1,2055568	1.2325276	0.9189155	0.8116658	0.9852801	1 3794179	1 4602945	1 1725044	0.0475504
Adenine mideotide translocator 1	0.87119055	0.61931634	0.8674933	0.6030012	0.5993428	0.6427052		0.69647276	0.7973023	0 93568	1 0503188	1 132703	0.8797418
Thymosin beta-10	1.0364082	1.1918932	1.2875615	1.3832144	0.87273395	0.7290412	1.095068	0.8884684	1.1026718	+-	0.98854274		0 93480885
High affinity lgt; receptor gamma chain (For Ricamma)	1.108287	1.2941557	1.4825243	1.6897525	1.502082	1.3803049 (0.86780196	0.8369	0.91072696		1.254547	_	1.006549
Monlasmic	0.81488305	0.87533594	0.20200	0 0027700	1 000000								
		0.07172003	4 447470	4 24 20 777	1.20/02/9	1.1423021	_	0.51903874	0.8082217	1.2430302	1.0796582	_	0.87893945
Phase-1 RCT-34	0.9068189	-	0.87704533	1 1030862	_	0.91210/0	1.454/50/	1.112/165/	1,3100665	1.11779	1.0441632	1.1008842	0.8512478
Phase-1 RCT-31	0.8528301		0.31774002	0.56451	1_		0.8805522	1 1477653	1.1450055	1.2822(55)	1.3/14996	1.2102034	1.12/9124
Cyclin D1	0.8341727	0.7017316	-	0.73993385				0.98037976	0.9509335	1 3488333	1 570630		0.00442726
IgE binding protein	1.2858903	1.77700777	1.6814594	2.5282478	1,9515463	-	_	1.0513932	0.9734221	1.1097198	1 1591631	_	0 9854609
Zinc tinger protein	1.1518028	0.9621174	1.0438926	0.95751977	0.82956505	0.934473	1.42712	1.173207	1.1812947	1.03759	1.1270909	0.9707479	1 0139999
Prase-1 KCI-138	1.0192845	1.0817136	1.3532567	1.6149446	1.334211		0.74831617	0.87626946	0.8806634	1.0421757	1,1127105	1 1065526	1 1034983
Appra-cubulin	1.0390459	1.1923523	1.0086633		0.6690682	0.8693219	1.1977386	0.8008812	1.0400246	1.6833117	1.3153723	1.3282275	1.0154225
mymosin	0.8001834	0.43448144	0.5852366		0.66684914	0.7237673	0.7955514	0.77568287	0.8434385	1.1708087	1.4159213	1.0929669	0.9631168
Phase 1 PCT.12	0.93636116	1.156135	1.2218287	1.2764401	1.3132267	1.0137584	-+	1.0288965	1,0828367	1.0711572	1.0701485	1.0341055	0.9604392
Cathersin B	0.9501388	0.63/06654	0.8158476	0.8981123	0.7687932	1,0772015	1.3627151		1.1830252	1.5257219	1.3157964	1.4784877	1,1345938
Phase-1 RCT-24	1 1323602	0 8400400	1.7/0134/			4	0.8155689 0.89121085		0.83241284	1.0605543	1.0255699	1.2677077	1.0392579
Melanoma-associated antioen ME491	0 9953169	1 3276035	_	4 225000		4	-		_	1.9807458	1,464,5808	1.4525738	1.0037626
	120,000,000	100013001	4	1.6603001	0.8691445	1,2237853	1.08086681	1.1949859	1.0900705	1.4723765	1,2686578	1.2509673	1.456671

Phase-1 ACT-68	1.0341538	1.1438953	1,1476239	1.2638475	12146407	1.1124699	1.3149091	1.1426488	1.1229688	1.1710354	1.3016754	1.0428538	0.97915465
Cyain G	1	1.0296562	1.1624857	1.2803415	1.0993412	1.0854487	2.9589696	2,3607028	3.258532	1.0237881	1.3008399	1.1303773	999666
Hypoxanthine-guanine phosphoribosyltransierase	1.0523081	0.74803233	1.0307884	1.042244	0.76853436	0.7994807	0.72789663	0.699069	0.7886922	1.0057204	1.0234536	1.0276684	0.94816846
Tissue inhibitor of metalloproteinases-1	1.1551563	1.8392805	1.5332922	2.231075	1.4629217	1.233323	1.369147	1.138424	1.2571045	1.0054823	1.4146969	1.1861635	1.1166444
<u>0-1</u>	1.0540423	0.7184796	0.8389352	0.99985904	0.8167851	0.93277705	0.88266784	1.2587246	1.230579	0.9324467	1.0281162	0.942087	0.8994963
Ribosomal profein S9	1.1315293	0.94318223	0.9310616	0.9542063	1.0317105		0.94896716	0.8111987	1.0082144	1.0928938	1.3019788	1.143338	0.907597
Heme oxygenase	0.9859363	4.4283924	1.9643402	3.7300348	5.5524483			0.9415708	0.9148829	1,2192881	1.2521654	1.2716236	1.0900185
Ribosomal protein S17	1,337568	1,4335813	1.5461757	1.5287377	1.8742467	1.3773289	0.78036827	0.74002427	0.829/66/6	1.243/532	1.3446913	1 1047949	1.117432
Nucleoside diphosphate kinase beta isoform	1.3663622	1.5598345	1.3298112	1.3820508	1,3680536	1.3470285	-	0.91196483	12081472	1,3119549	1,4543111	1 27 10446	1.1382263
Phase-1 RCT-121	1.0431366	1.0005095	1.1378088	0.77614343	0.7417699	1.0111972		1.0826743	1.1381892	1.0425304	1.0895827	1.0205204	0.9787075
14-3-3 zeta	0.9000934	0.75700665	0.8971722	0.8197048	0.83247614	0.9610177	1.8772742	1.6516932	1.6336448	1.2152431	1.4221846	1.0976837	0.9437727
60S ribosomal protein L8 (alternate done 1)	1.1133198	1.227273	1.5133053	1.6339314	1.7955631	1.1418878	0.79013014	0.7459639	0.8311378	1,1377889	1.2077099	1.0808362	1,0273097
Beta-tubulin, class I	1.1128898	0.43361312	0.604121	1.0210123	0.6736149	0.9237004	1.1049175	0.9026383	0.83227535	2.03773	1.5125707		1.103874
Pote patie	1.000417	1.3185/35	1.2200881	0.9468162	0.8936224	0.9383927	0.9368556	0.79203886	0.8931727	1.1210359	1.2935792	_	0.94164044
Cathorein C	0.923000	4 705057	4 2202442	0./334646	0.9184553	1.072198	1.8051938	1.2402868	1.5750666	1.4084526	1.1297388	1.183385	0.85405433
Rithardia reductore	4 0607358	1.7003417	1.3383412	1.52.62622	1.6338322	1.43153/9	1.0652981	0.83367	0.998913	1.0891922	1.1142895	1.1235511	1.1142/63
Phase-1 RCT-154	1 09756	0.0402403	0.0304614	1.1930193	0.0673003	1.0836538	1.45414/5	1.2521261	1.2213544	1.1003//4	1.316425	1.2566149	1 00 90 4 1 9
Phase-1 RCT-293	0.94270736	1.1559908	1.3943821	1.5458153	1.3557298	1 4896467	1 0327648	0 948 16864	1 0649359	1 0060487	1 1000072	0.830302	0.0689994
Annexin V	0.8909894	1.1425751	1.282336	1.2745287	1.1334479	1.110877	1.3277035	1.0342758	1.2647789	1.2309636	1.1099993	1 0752969	1 0241947
Complement factor I (CFI)	1.1162838	1.7900925	1.8337492	1.7587571	2.673748	2.170545	0.92007416	0,93142426	12465368	1.0147135	1.3945721	1.122782	1,2324314
Phase-1 RCT-276	1.0222511	1.0435286	0.982683	1.0481189	0.8280046	0.9988903		0.84245914	0.741641	1.0619423	1.181385	1.0718168	1.2055304
Tyrosine aminotransferase	0.6540383	0.91065425	0.8223309	0.84334624	1.0540736	0.7721451	0.52730685	0.4248996	0.48044452	1.1488484	1.2282906	1.1490792	0.9751938
Glutathione peroxidase	0.7286067	1.3479278	1.057904	1.3057933	1.8553373	1.4921211	0.8715445	0.7533797	0.7834588	0.984658	0.9106519	1,3552614	2.010538
Histidine-rich glycoprotein	0.88875514	1.0496582	1.2468932			0.9655688	0.5720448		0.7897544		_	0.7865063	1.0831065
Carbonic armydrase III, sequence 2	0.834353896	0.72364056	1.0292848	-	0.78969187	0.74581876	0.5073048	0.806439	0.71128464	लो	128893	0.75427306	1.0940048
Transitional and advancemic rationism ATDasa	1.0114067	0.6499050	7.0262805	0.8/503946	0.7035108	0.70055564	0.56393373		0./3//315	0.8975489	1,004,7927	0.92923737	0.9829802
Phase-1 RCT-88	0.9879973	1 031677	+-	0 0826636			0.000000	0.03/0230	0.51520145	0010000	27201000	1.034394	0.8003732
Phase-1 RCT-296	0.6334842	0.62822807	1 2816992	1 4006228	1 0458252		0.72315423		0.59412825	+	1 201451	1 102776	1 2007128
Phase-1 RCT-161	0.85271853	0.49903888	0.65850353	0.5072101	0.61084765	0.7374716	0.7778599		1.0629773	14547825	1 995838	0.926111	1 1413506
Glutathlone S-transferase theta-1	1.0747991	0.94947046	0.99556047	0.84077567	0.6974619	0.7902406	1.2562506	1.3810698	1.8597336	1,6680232	1.5281421	1.2046309	1.0133662
Phase-1 RCT-168	1.0193028	1.1902146	1.2677609	1.2797205	1.1171018	1.1678708	0.61542815	0.8013723	0.72480786	0.8847172	0.80880934	0.9050113	1,0541831
Phase-1 RCT-182	0.85667684	1.4200408	1.1778277	0.9971715	1.3056347	33	0.74621457	0.77439	0.83829355	0.8219084	0.8567826	1.042537	0.8722926
JNK1 stress activated protein kinase	0.96736443	12810981	-	0.8280049	1.0060792	1.0062686	0.6053468	0.7656408	0.8061491	0.8051629	0.865966	0.96650517	0.93621725
Phase-1 RCT-81	0.93868345	1.1500531	-	0.97940266	-	1.0401231		_	Ŧ	2	_	1.0792885	0.8153347
Prizze-1 RCI-33	1.0947392	1.0288372	_	1.8865976	_	0.78534186		₹.	0.85187507	_	-	0.78640705	1.1576717
Arolinomatein Cili	CROCKSRO O O743486	0.9514448	1.0298308	0.86268265	0.8913/2/	0.91664416	-	0.97393394	0.8401319	-		2 2	0.8633977
Phase-1 RCT-98	1 0104785	0.82483405	0.8286338	-	-	0.83002377	1.050587	0.8200220	0.0003410	0.7854089	0.7303150	4 0058044	0.78416106
NADH-cytochrome b5 reductase	1.0098094	1.2108554	0.984916	-		3027	0.65127707	ន	0.59384704	+	44	0.87087864	0.9494381
Alpha 1 - Inhibitor III	0.628192	0.54312295	0.76746833	0.6916961	0.9344339	0.7869307	0.6093119	2	0.67788047	0.8651519	0.6133087	1.0745806	1.0605315
Phase-1 RCT-233	0.9440259	1.038565	1.3063301	1.140448	-	-	_	_	0.6652055	0.9388318	0.9935469	0.9211093	0.9940073
Paraoxonase 1	0.6961164	1.1347339	-	0.8385076			0.49861336	···	0.56781085	0.8054301	0.9786457	0.950003	1.0564585
Andinomials Of	1,446048	0.57.38198	= -	0.74367574		_	s l	-	0.6864462	0.9688051	_	1.132715	1.0400492
Charles Dan 2022	0.1410910	1 03000 P	PC/8/100	0.762818	0.5023861	-	-	-	-	-	L	0.77767485	0.93023545
Phase-1 PCT_207	0.04468375	0.05503547	4 045030	1.1036527	1.5414809	1.084284	ş i	0.91441613	0.8707982	al i		0.85364///	0.9741973
Hepatic lipase	0.6511015	0.7663036	0.6773834	0.5585138	_	0.5080766	0.5455/61	0.6419228	0.46137613	7000697	0.8128243	0.14304004	0.82249113
Phase-1 RCT-164	1.0054892	0.99407953	0.99923486	0.5770691	0.9048551	1.0635598	0.7892116	1.005794	0.9086702	+	+-	0.87378216	0.9783812
Muttidrug resistant protein-2	0.87560445	0.8735251	0.72241133	1.0488412	0.9148727	1.0541233	2.6751242	3.2041468	2.5671992	1-	-	1.4796067	1.1354089
Insulin-like growth factor I, exon 6	9	0.9267264	1.2463405	0.94090414	1.0994027	1.0724165	0.70808744	0.96348566	0.7843484	0.7107506	0.83376956	0.811426	0.8968087
N-hydroxy-2-acetylaminofluorene sulfotransferase (ST1C1)	1.0534015	0.89914984	0.92977434	0.6120065	0.8335594	0.64625067	0.4344387	0.9115717	0.7448509	0.82690936	0.8834655	0.7622323	0.85535043
Dynamin-1 (D100)	0.95889384	0.94640744	0.99481344	1.0780069	0 90452343	0 9281922	0 80294394	1 1082141	0.8801926	0 9682944	1 041187	0.90916765	0 0105300
DNA polymerase beta	1.081534	1.0704784	1.1491803	1.2671185	1.0868845	+	0.8437412	0.7572463	0.6983968	1.2631202		_	0.92708238
												_	

Phase 1 RCT-173	1 147203	0.9845681	1.0495013	0.620447	0.58587664	0.8678386	0.8971723	1.0118228	0.9821044	1.1899408	1.3871306	1.293887	1.0483091
Ubiquitin conjugating enzyme (RAD 6 homologue)	1.0942103	0.93689764	0.94109994	0.8059041	0.812269	0.8803934	1.1525109	1.0265478	1.1984125	1.1691686	1.3387586	1.1723818	1.2830906
Pilocomal rentato 1134	1 1952712	1 197738	1 3888159	1 8730823	1 0759896	1 2042919	1.0160464	0.8730946	1.0321352	1.0548769	1.0254123	0.9730259	1.0101775
Dhase-1 BCT-144	0 8868567	1 0188708	0 9428757	1.0447061	0.9409286	1,0075805	1.0124658	1.0343456	0.9233654	1.1031113	1.1516855	1.038018	1.2569329
C-H-23	1.0045537	0.857471	1.1192682	1,3336314	1,115029	1.0655885	1.2789121	1.2611691	1.2791941	0.99410474	1.1353719	0.92706156	0.95674443
Vesicular monoamine transporter (VMAT)	1.2774237	1.4987715	0.96220287	0.8892758	1.1954308	1.1141624	1.3620435	1,4027975	1.2355947	_		1.0693814	1.0185335
Phase-1 RCT-273	1.1316817	0.93051153	0.8946936	1.0420281	1.0571722	1.0547863	1.1485056	_	0.98130286	_	_	0.9827665	1.0081483
Phase-1 RCT-230	1,1908368	1.0748166	0.8923891	0.99610114	1.2207761	1.0037527	1,3190461	1.1389757	1.192879	0.9772837	0.9014226	1.042058	1.0521189
Phase-1 RCT-74	1.0126064	1.0364302		1.0114722	_	1.0214256	1.1613014	1.3782638	1.0755548	1.0044312		0.9734876	1.060872
Phase-1 RCT-80	1.2230896	0.96570915	_	0.82117367	-	0.89065695	1.4552072	1.6855687		_		- 1 -	1.1219606
Phase-1 RCT-158	0.9609692	1.0597085	0.99943143	1.0416623	0.9743834	1.0491099	0.9894985	1.0853733	ad.			-	0.8629/16/
Deoxycytidine kinase	1.1042856	1.0206331	0.95780313	0.89179534	1.0134584	1.0318562	0.9961741	1.1817752	0.9835667	-		_	0.86230716
Inositol polyphosphate multikinase (ipmk)0	1.0670183	0.9482416	0.9374355	0.85862935		0.8658982	1.1921955	1.4146999	1.0786743	_	_	0.94620805	1.0364053
Neuronal cell adhesion molecule (NrCAM)	0.9262475	0.7706164	0,7850215	0.8777557	_	0.87998927	1.8362514	2.0154173	1.4098521	-+	0.94571614	1.0256073	1.0835/63
Hepatocyte growth factor receptor	0.9287204	0.75556713	1.0456634	1.2697976	1.2678492	1.1609416	1.3021513	1.349452	1.1752199	1.0341059	1	1.0526314	1.3580049
Empty	1.1262058	0.96096444	0.87434614	0.7797183	0.8803649	0.9243221	_	1.7003748	1.1177793	1 2272025	1 4405724	4 5920578	0.04762033
Doparnine receptor D2	0.9882132	0.9056199	0.7860/506	0.92409986	4 4005400	1.0086313	4.074744	0.93103000	0 80068115	1 04R57R4	1 0638521		1 0831859
Phase-1 RCI-51	1.13/4000	0.9009040	1 0444773	0.91625919.0	1.1030489	0 04840	1 030585		0.6593142	0.976635	0.9940235	0.963239	1,1038805
rour repeat for channel	1 2000682	4 0466806	7007080	0.88873804	0.0080101	1 0473882	2 529 19R	1 6804885	1 3247814	0.68795437	0.7148274	0.8172687	1,0128188
Agrenomedulin	1.0067738	0.0402027	0.8720596	0.88495624	0.82526493	80	1 1050932	-	0.99717164	+	0.92620957	1.0068612	1,2335129
Description 1 Det 120	1 1568241	0 7972688	1 0370356	1 0511705	1 0630985	1 3398033	1 302399	13	1,1115628	_	0.91098577	0.928509	1.0134842
Phase-1 RCT-94	1 0428718	1.1498997	1.1222962	1.1607207	1.1606482	1.1409786	0.9453908	0.9680917	-		0.92460805	0.9643626	1.0594232
Sarcolasmic reticulum calcium ATPase	1.0461708	1,4324766	0.9600284	0.9400993	1.1124177	1.0654886		+	0.97966814	1.0429484	1.0282274	1.1855446	0.8644909
Phase-1 RCT-79	1 1320223	11117017	0.8743839	1.0975193	1.3144921	1.02919		0.96668524	0.9784764	0.9846844	0.95657116	1.0274407	1.0903406
Phase-1 RCT-252	1.0314988	0.95167303	1.1347648	0.9085639	0.81950223	0.55326736	0.40333733	0.66722417	0.6229232	1.2828507	1.2875341	1.1524371	1.2039304
Phase-1 RCT-151	1,1323687	0.9826158	0.9991287	1.1086315	1.1831261	1.3472047	0.929161	0.8999867	0.99193156		0.81876824	0.88838017	1.0673797
Phase-1 RCT-70	0.9807675	0.95583177	1.0880171	1.0023574	0.8830492	0.87769234	1.1689023	1.2417084	1.0342878	1.1315051	0.9231479	1.0512317	0.9636963
Phase-1 RCT-150	1.0096604	0.62879574	0,7794308	0.9171306	0.8072455	0.922893	0.8523001	1.2370068	1.0258532	0.99363387	0.9609264	1.0186963	1.2455207
25-hydroxyvitamin D3-1 alpha-hydroxylase	1.0350037	1,0161427	1.0371549	1.017035		0.99980545	1.0589281	1.3471886	o,	0.8716756	0.8609281	0.86354625	0.94668463
Phase-1 RCT-119	1.1222036	0.93756807	0.9215505	0.84664845	1.0516269	0.83078945		0.71327055	0.6802956	1.2790909	1.3034483	1.2319027	1.1171147
Peroxisomal 3-ketoacyl-CoA thiolase 2	1.2457116	1,5021113	1.6229625	1.5332347	1.2155102	1.12687	1.0754976	0.99646634	0.9835013	12100469	1.1587147	1.4020818	1.2862482
Phase-1 RCT-146	1.0875362	1.0154579	1.0528523	1.2360928	1.0033671	0.99033	1.1277527	1.0745533	1.0489885	1.0928171	1.280334	1.15/8989	1.063/922
Superoxide dismutase Mn	1.3490118	1.6230375	1.1979994	1.365724	1.2091496	0.8982131	1.230921	1.0239867	22182281	1.1092083	1.1434083	1, 10003/4	1 1178282
Phase-1 RCT-115	1.1045287	0.7437316	0.77551794	0.9655954	0.955299	CZCBC 18:0	1.0012/00	704000000	1.0140903	0413247	0.0538377	4 0825345	1 0245979
Alpha-1 microglobulir/bikunin precursor (Ambp)	0.8851687	1.2558982	1.1286409	0.9866916	1.2606028	1.0718158	0.76780075	0.86603487	0.9077508	0.912204	0.803037.4	1.00000	1.064031
Phase-1 RCT-18	1.0318893	Ш		0.99532896	0.9985491	1.0045902	0.9444354	1.0336978	0.8773177	1.0201975	1,1288812	0.9880498	1.2099793
Maspin	1.174049	_	0.9261201	0.9377938	1.158334	1.0622519	1.4170004	1.3873547	1.0571852	0.8925551	1.0381029	1.0453535	1.0334201
Decorin	1.0403863	4	_		1.2343402	1,3175455	1.3427068	1.2846521	1.100443	1.08/8940	0.80930/2	0.05445657	A 0547824
Retinoid X receptor alpha	0.8841892	4	<u>ë</u>	-1	0.7961924	0.7283867	1.45/3030	1.4640/93	1.4033000	_	_	1 0244577	0 8570168
Cellular michaic acid binding protein (CNBP)	0.7828373	1.4447073	_	1.005/234	1.1321528	1.041117	4 4700000	4 9202444	4 E013448	4 434470	1 0805117	1 136197	1 1248097
MAIN ASSESSED ON ON ON ON ON ON ON ON ON ON ON ON ON	0.0731244	0.43413410	1 0204 178	0.0000014	0.71156085	0.04690001	1.3404488	0.9097413	0.86438346	1.215026	1.0956237	0.8111231	0.9298475
Compace 4	0.0795838		1_	0.8827488	0.76518404	0.8565029	1.3114924	1.2499135	1.1718038	1.1030985	-	0.98116463	1.1776356
Cyclatin	1 1464726		1	1.0406905	1.1595317	0.9524197	0.9837139	0.8434849	0.8354943	1.1297824	1.1546545	1,2230195	1.086228
n55CDC	0.8647809	╄	12	1.2032914	1.2032914 0.87371475	0.9082173	1,5090599	1.2914269	1.1103399	1.2920731	0.90405357	1.2825875	0.996911
Poly(ADP-ribose) polymerase	0.99622893	Ļ.	-	1.0198525	1.0083522	0.97264725	1.0539886	1.0738014	1.033394	1.0727965	1.1341121	0.98731416	1.051136
Tissue plasminogen activator	1.0170196	0.9577281	0.9877754	1.0392473	0.9957702	-	0.8979803	0.87672555	0.9667089	1.0353717	1.0576382	1.0456386	1.2717144
Muttidrug resistant protein-1	0.8691108	Ц	_	1.1628461	0.8237516	1.4737548	3.3900235	2.570621	3.0859964	1,3651092	1.2567679	1.469048	1.0857857
Phase-1 RCT-207	1.0488476	_	0.99999994	0.67179005	0.7377786	1.0055585	2.829484	1.9779414	1.771263	1.0888054	1.2031789	1.0610529	1.0023454
Phase-1 RCT-181	0.9124378	1.1252991	1.20644	1.2685659	1.1743115	1.0489506	0.7828528	0.8760701	0.7983195	0.84616226	0.8331976	1.020000	1,12/0132
Gap junction membrane channel protein beta 1 (Gib1)	0.9778957	0.83434623	1.0958788	1.0274904	0.804739	0.6811612	1.0974425	1.6345972	1.325745	1.0424844	0.6970361	1.0180026	0.8303890
Aquaportn-3 (AQP3)	0.9116323	0.96410567	1.0068259	0.9723379	0.9904214	0.9904214 0.94323387	0.93614566	0.97442764	9	0.8421468	0.877265	0.9126553	0.93956614
Myeiln basic protein	0.7488901	0.6768958	0.7686923	0.87962223	0.7166473	0.99730957	1.3314215	1,1451164	1.2045507	0.9336182	0.8391332	0.8439214	1.0197842
Calgranulin B3	1.1454931	1.0399321	1.1467838	1.0455005	0.98378843	1,3868836	1.0781338	0.8982956	0.9799548	1,03653	1,034,798	1.0038812	1.0388355

Present RCI-156	,000,000,0												
	2,6524,256	0.98545974	1 0472499	D 0074044	1-6600000	100000							
Proteasome activator 28 alpha	4 447022	1 100000	2000		4.470m 4.420m 5.00000000000000000000000000000000000	1.0604905	1.120/283	0.8971817	1.1516382	0.99955875	0.98278887	1 003784A	0307750
	1.14/022	1.1432483	0.88588034	1.0052883	1.2761179	1 2180180	7800070	04004447	0072000		200		0.0201
					1.0921249 1.0931249 1.0931249 1.0931249 1.0931249 1.0931249		100001010	7.01004417	1.002/183	0.9591/67	1.0921249	1.0930482	1.2377565
(1) Gana expression data for 72 bour timestal							_		-	-			
יייי ביייי בייייי בייייייייייייייייייי					-								
are presented as mean ratio of treatment/control								_		_		-	
for all 72 hour prodictive gener (Takia 22)					_				-				
The state of the color of the color						-						_	
					_				_	_			
(2) Compound and dose abbreviations as in										-			
Table 1				_									
101													
(3) Individual animal rumber													
(4) Liver inflammation classification for commercial										-			
The state of the s			_									-	Î
dose group at 72 h; yes-necr, necrosis observed;	-		_				_						
ves-both, necrosis with inflammation observed:						_	_						
the fight of the second													
in a scopanology openved						_			-	_			
										_			
(5) Predictive gene (as in Table 23 and as									-				
Individual in Table 201				-					 -				
monaco III I anie 26)	•		_								_		
							_		_		_	_	

Table 30. Expression Data for 72 Hour Timerount				1									
(1)					***								
Compound-Dose (2)	CHCL3 250	CHCL3 500	CHEX 0.5	CHEX 0.5	CHEX 0.5	CHEX 2	CHEX 2	CHEX 2	CHI OR 30	OF SO INC	CF 00 37	a do ino	00000
Animal Number (3)	1628	2356	2247	2248	49	7257	258	2259	1	58	ū	٦	48
Care I oxicity imammation Gassincation (4)	2	20	2	5	00	8	8	8	8	2	8	-	2
Dham 4 Do't 407													
Rotation homographics and design	1.2750189	1.2525789	1,2013826	0.97910696	0.8935429	1.005112	1.0281882	1.2244824	1.3795502	1.3559662	0.99809426	1.4641722	1,4848769
Proliferation cell minter anthon none	1.8382691	0.55252904	2,2515023	1.9348925		1.5637244	1.4924613	2.3219001	1.0751051	1,7301015	1,1030817	1.3024938	1.8318632
Cytochroma P450 2018	4.0304804	4.0000430	0.7387173	0.7476562	4	0.61978257	0.708785	0.68377785	1.1399528	1.2204137	0.6917863	1,0025455	0.85639304
Cytochome P450 2C11	0.00003086	0.0928432	452040010 0 000000	1.022659	0.8365338	_	1.1101375	1.4953625	1,6493651	1.3937049	1.5848188	_	1.8010932
Phase-1 RCT-280	1 5030356	0.0000000000000000000000000000000000000		4,0000014	0.8750407	_	0.79673845	0.781109	1.2045391	1.2962492	1.0154575	14	0.63455003
Phase-1 RCT-59	1 2251747	0.0000000	0.00465005	1.3823284	_	1,234,2535	1.1901733	1.5388677	1,0918809	2.0421503	1.0452602	1.288759	1.8892931
Beta-actin, sequence 2	0.901458	0.6618418		1 3387905	1 2/8777	1 703480	0.8901311	0.8265163	1.2030611	1.0937754	0.96815884	0.968745	1.0899346
Phase-1 RCT-292	0.9325755	1.0819685	1 1495725	1 0879005	0 0807400	1,7834093	1.40004/2	1,4875014	0.8237315	0.9290008	1 1983411	1.1303623	1.0215905
Pyruvate kinase, muscle	0.97115666	1.0526575	0.83188456	0.8387056	1.0147122		0.0300430	1.1003000	1.135403	1.0933281	1.0454078	1.1050242	1.096326
Osteoactivin	0.9442192	1.8934748	1.0518706	0.9638626	0.98089767	_	1 1139009	9786929	0 9869648	0 874861	4 273223	_	4 4574707
Calgranuin B1	1.0400891	1.1118251	1.3850499	1,2005726	1.0705174	1,3119198	1.1654947	1,5154033	1.3696262	13212457	0 56396973	0.8033768	0 0206802
Apolipoprotein Ali	0.71820676	0.82231694	1.3266569	0.8107357	0.73162574	╄~	0.80798846	1.1394935	2.0034823	2.102714	1.5083909	1 0765606	1 0048504
Connexinas	1.3231466	1.0922683	1.16919	1.0163159	0.94457084	-	1.1530075	1.3893876	0.85009294	0.83920944	1 1345719	3 115741	2 36804
Phase-1 RCI-109	1.0213104	1.2865695	0.9872579	0.91976595	0.6319838	0.45408216	0.5391783	0.5161623	1.1748918	1 3785454	1 0950263	1 007172	1 1378300
Cycine memyaransterase	1.4642136	1.4589471	1.7805102	1.0661333	1.0144597	1.1779883	1,1067345	3.1297202	1.353086	1.4021288	1.040358	2 1220722	1 5854784
Dhan 4 Dor see	1.062098	0.64501697	2.010657	1.6903287	1.5611702	1.5039554	1.3152171	1.7635568	0.9153992	1.4380405	1.1815517	1.544479	1.8099842
Control of the state of the sta	1.1901494	0.9142888	1.8983833	1.4154319	1.3867204	1.670757	1.544114	2.0992494	1.4161397	1,3250598	1.4828072	1,5560231	1 6240027
Dhasa 4 DCT 70	12348317	0.33666533	1.7355477	1.9182601	1,9035479	2.2348666	1.3570653		0.91302353	0.9727947	1.0544975	1-	0.85522544
Unactionation 2 months	1.0297524	0.9750135	0.93642265	1.1501502	1.0569673	_	0.93555796	1.0412034	0.9764966	1.0568516	1.1187435	-	0.86059227
institutive ometh factor i	0.7202776	0.5352186	1.2244457	1.0648046	1.2583281	1.3436245	1.0702077	1.4736633	0.8738809	0.80412054	0.7800946	0.58717394	0.5110844
Am sufformsferase	1 0008013	1 300000	1.23/6192	1.1373	1.4084662	-	0.89160836		0.56362593	-	0.88415873	1.0005404	0.8356105
Phase-1 RCT-185	0.9678744	0 7500017	4 4483657	1.133009	0.9803048	1.24687	1.086932	1.2951322	_	0.88811207	0.7511435	-	0.7832292
Cofilin	0.9893438	0.85758215	1 2096004	1 1579587	1 247677	1.3623556	1.2059263		-	0.7139971	0.6706583	-	0.70924294
Stathmin	0.9773857	0.8051049	1.1721686	1 1464889	-		1 128/806	0.977503	1,037,20857	0.902/1/65	1.2045374	1.1739458	1.0208899
60S ribosomal protein I.6	1.050002	1.2428069	1.0248216	0.99019057	1.1415035	1 3267484	1 107149R	4 3732027	1.0/013/	0.0977121	1.2240943	1.2863133	1.1709479
Calpactin I heavy chain	1.2730043	1.0386509	1.1596144	1.1497961	1.0895469	1.1113567	12168094	1 158224R	1 2326566	-	4 4989059	0.30/0003	1.0113938
Collagen type II	0.98878497	1.1085094	0.6817974	0.6587873	0,5973096	+_	+	0 55875367	1 1150538	4 2754283	0.8033005	4 2606647	1.1.40649
Phase-1 RCT-179	0.92489386	1.1638247	1.033609	1.0704336	1.2966669	╀	_	-	-	0 84311384	2 4	0.05732385	2101808.1
Disco 4 DCT 402	1.0214736	1.0745094	1.115104	1.1720223	1.2773601	1.5553797	1.3160044	-		1,365131	+	0.8114981	1 1524172
Admino michaeldo francis ades d	1.0122488	1.4300902	-	0.8921563	1.0543712	0.7584279	1.0530338	0.8754136	1.0352718	0.9121471	1.0899324	10	0.97380036
Thomasin beta-10	0.9562726	4 2724746	 †.	0.98265845	-+	0.70012295	_	0.77881515		0.78634715	0.9314933	1.079754	1.2365897
High affinity ldE receptor gamma chain	0.90328024	1 0520372	1.2/34/48 1.0689/0/	1.0296606		1.1430914		1.2807393	1.3058318		-	1.0164143	0.9654376
(FcERlgamma)		7100700.1	101.00.0	0.3213703	CCSUSCU.	ce/cntck.u	1.0530497	0.97507584	0.6836925	0.67252403	0.65502447	0.74507584	0.5217728
Gamma-actin, cytoplasmic	1.0041891	0.6871958	0.83619905	0.89526755	0.8963105	1.2757019	1.0977484	1.1278372	1.217573	1.2618349	1.1896404	1 0354893	O 94RREEDT
Drawping protein 2	0.8524129	1.1010869	0.8877048	0.8585364	0.9524964		1.0730325	0.9123311	1.4297596	1.3435005	_	-	1.05414
Dhase 1 DCT 24	0.9216589	1.2336292	0.9542681	1.1040812	_	1.1781172	1.0205352	1.0605444	1.348843	1.1780868	1.219332	0.9936827	0.9746287
Codin Di	0.94591683			1.5616806	1.572618		1.633561	2,2358956	1.0906733	1.1819617	_	0.8402306	1,775561
In hinding amining	0.0460/144	-		0.90968317	_		0.79171586	0.6915445	0.5014579	0.642071	0.745113	1.182251	1.0578438
Zinc finger protein	0.8789625	0.9535868	-	0.99712193	_		1,2159576	1.1423489	1.0280224	1.0396687	-	0.95530283	1.0637972
Phase-1 RCT-138	1.0135241	1.2443813	0.7828931	0.81862384	_	_	0.8046479		-	0.79121554	1.1229216	1.1985853	1.0929422
Alpha-tubulin	0 9986309	0 740848	1.10303/4	1.1523484	4	1.3180547	1.244243	1.3062649	1.0651504	1.0469321	_		0.8969008
Alpha-prothymosin	0.0350030	0.0140313	1.0034421	1.1205023	4	0.8628	1.0473093	0.8819606	1.3144951	1.1400461	8	1,5197116	1.5692544
Calpain 2	0 7851787	1 0625377	1 4044205	1.1032428	1.3390928	1.0905128	1.0311427	1.2047989	1.067011	1.2604926	-	0.88901114	1.6613665
Phase-1 RCT-12	1.0174124	0.92261624	0.8372356	-16	<u> </u>	1.1830413	1.1721839	1.1305563	1.3093318	1.4787533		1.1702267	1.3114647
Cathepsin B	1.0193175	1.2912853	1.3861555	_		1	1 4937544	4 6106752	1.31//853	1.215/46	1.0763367	0.8409038	1.089559
Phase-1 RCT-24	0.97193533	0.726193	0.7910027	0.7141856	0.80339285 0	207	0.7671423	0.654576	1 3492743	1 9743391	1.077813	1.4003747	1.1725069
Melanoma-associated antigen ME491	1.2362423	1.3471775	1.1931217			44	1.1764106	1.2536064	1.0674677	1.0251284	1.0768979 0.95611763	0.95611763 0	0.86308974

Phase-1 RCT-88	1 4 000 1744	L	0,00000										
Cyclin G	0.9753908	0.94216084	0.7507608	1.0104/38	1,0128443	1.0351826	0.90740895	0.91611844	1.1271183	1.2439942	_	1.1309636	1.2373157
Hypocanthine-guantine phosphoribosyltransferase	1.2844359			1.3194538	1.0690366	0.8677269	1.2133619	1.0984155	1.0716854	1.1660312	1 0600398	1 3381867	1.0321546
Tree to inhibitor of mobal corrections at												1	9
105-4	1.0258617	1.0637667	0.8853311	0.9052003	0.90892303	0.4485752	1,2678536	1.2969993	1.7725214	1.3189276	1.0796238	0.9658615	0.8922468
Ribosomal protein S9	0.9552709	0.9200913	4 040 2003	0.76526266	0.7161578	0.60303867	0.8339058	-	1,0206863	1.0663196	1.062748	1.1216424	1.0753596
Нете oxygenase	0 9201754	1 8280282	0.00000	1 0202019	1.28/82.1	1.3812014	1.1815242	-	0.80099314	0.799509	0.845456	0.68135047	0.7202396
Ribosomal protein S8	0 972614	1 3226307	1 OVERORE	0.07254047	1.05077	1.0755713	0.9562546	1.0263407	0.95646304	0.6850266	0.6451342		0.64171356
Ribosomal protein S17	1.0085871	1,3263733	_	0.86929286	1 0401394	1.3966988	1.1528349	1.6132594	0.92988455	0.9891706		0.7485257	0.8058868
Nucleoside diphosphate kinase beta isoform	1.0725971	0.88087654	-	0.9885634	1.0429988	1 2143581	1 2150830	1 1058103	1.7802523	1.462145	1.38/4545	0.81920284	1.0181838
Phase-1 RCT-121	0.96143436	1.1636872	-	0.76798975	0.9735252	0.5603762	0.8184028	0 6837857	0.7985507	<u> </u>	0.7500003	4 0240246	0.9130091
14-3-3 zeta	0.91410077	0.77476436	1.115871	1,209033	1.3201776	1.1200279	1.3179392	1.0097382	1 2542893	-	0.8531008		4 222644
60S ribosomal protein L6 (alternate clone 1)	1,0375687	1,3193496	1.1288651	1.0076848	1.1071721	1,4044673	1.1266532	1.4860098	1,253239	1.6449294	1.3278698	1 2875998	1 4328785
Deta-tubulin dass i	1.0472581	0.6566534	1.0854856	1.1932161	1.3254428	1.1732299	1.4154205	1.2193633	1.0662631	1	0.80800235	0.763424	0 9007598
Party callon transporter 3	0.9079131	1,2259693	0.98712903	0.9759409	0.94315875	0.9528843	0.9346701	0.93855697	1.0020739	5	1.0150884	0.9038324	0.9446088
Cathonala	0.8016556	0.61157725	-+	1.3662705	1.2320995	1.7272073	1.5402557	1.6383622	1.3869315	1.5121499	1.0937084	1.5020322	2 5024272
Rilbertio soductoro	0.8698919	1.383046	-	0.92364985	1.0216403	1.1430979	0.9843253	0.87680715	0,9173963	0.8592099	1.0205146	1,04435	0.7480076
Phase 1 PCT 164	1.137499	0.9333647	-	0.86359197	1.0341108	0.9197833	1.0724821	1.0241973	1.1320002	1.9617624	1.009767	0.7711099	1.0209293
Phase-1 RCT-283	1.0796214	0.91120344	-	0.91088825	1.072916	0.746921	0.9863434	0.864158	0.96148735	1.0030313	1,1311677	0.782558	0.93146956
Amerin V	4.0575394	0.00903334	-	0.91976327	1.0190043	1.0994581	1.1895646	1.2516011	2.0717518	1,5075413	1,4115978	0.95996374	0.9620106
Complement factor I (CE)	4040404	4 775705	0.85142/84	1.0373245	1.2310396	1.0583758	1.0664687	1.0654664	0.5280656	0.6564416	0.98045117	1.0432085	0.9384557
Phase-1 RCT-276	1.0184222	1.0074004	-	1.1865447	1.4541011	2.0607336	1.6197568	2,1541739	1,2174486	1.0922323	1.1643742	0.93074954	0.93659323
Tyrosine aminotransferase	1 2055035	1 2000 774	103/14882	0.99614487	1.0413838	1.0170585	1.1249913	1.0992478	0.6282446	-		0.7455818	0.62118787
Glutathions peroxidase	1 1671624	1 2789958	_	4 0777027	1.91242623	1,9962783	1.388241	8	0.48061627	0.7401934	-	0.6766891	0.5420535
Histidine-rich alvoorotein	0 7456153	1 1000634	1 2018/05	4 2000042	1.0333888	2.203182	1.1943803	-	0.62940043	0.8785597	ž	0.69827294	0.87588036
Carbonic antrydrase III, sequence 2	0 77133447	1 1774555	1 3738047	4 2500343	1.0104455	1.3248773	1.7956003	1.455193	0.81582	1.1373389	0.8435359	0.8576844	0.7419937
Phase-1 RCT-62	0.87998787	0.8386059	1 1208472	1 250457	1 2210112	1.2887086	1.6940672		0.7007298	1.1080288	3.82545525	3.72649175	0.7074983
Transitional endoplasmic reticulum ATPase	1.0306814	0.9265487	0.6634756	0.65421975	0.6117549	0 4546825	0 69050405	0.666496	0.00332180	1.0/31468	0.802/026	0.7454977	0.7277467
Phase-1 RCT-88	0.7554934	1.168494	1.0969161	1.0529625	0.90551746	+-	1 2276844		0.78011700	4 000700	78088773	8	0.90543765
Phase-1 RCT-298	1,1894983	0.4302986	1.0318344	1.4294089	1.3335036	23346648	1.6112038	-	1 5428101		4 3050385	0.8233283	0.7172927
Phase-1 RCT-161	0.999137	0.3489271	0.9236227	0.9722055	₩-	0.93647116	0.86489	0.8251905	0.9849335	1 0382914	0 0790769	0.8525270	0.80209383
Gutathione S-transferase theta-1	1.0501382	0.7915426	н	0.97558147	0.90511334	1.0430652	1.027386	-	0.83338916	-	0 94211584	0.8872658	0.5007.2000
Prasse-1 PC1-168	0.96718776	1.1893188	1.2147855	1.0707959	1.1003838	1,2500914	1.2126415	٠.	1	1	1.0784423	1.363236B	0.03040
INK1 days at a last	0.9266288	1.1013832	1.0374861	0.9276539	0.9724189	1.3605918	0.9202857	-	-	_	0.90597093	_	0.880378
Phase 1 DCT 84	1.1463608	1.356761	1.273815	1.0709795	0.8851773	1.036872	0.9582458	1.0578736	0.9782964	_	0.76504086	1.0467904	0.74783033
Phase, BCT.33	4.86360914	1.0153191	1.1661291	1.132924	1.0843575	1.173968	1.0975692	1.415412	0.8221971	0.8437587	0.9230817	0.9945584	0.9461369
Phase-1 RCT-178	0.8040192	0.9013/9/	1.2850245	-		1.2594914	_	_	1.3133556	Ц	1.1169575	1.1969851	1.1416105
Apolipoprotein Cill	1 0680707	0.785238	+	4 4442054	0.48636428	0.45830035	-	3	_		0.711151	0.7521638	0.7538745
Phase-1 RCT-98	0.93005085	0.8135322	1 0398907	-16	_	9 8	1.0783584	=1:	φĺi	0.80648524	0.7821947 0	.96567154	0.7762855
NADH-cytochrome b5 reductase	1.257724	0.77741486	1,4028902	1 2926832	1 0626146		4 502428	4 6002948	0.6723877	0.9032333	0.9584088	1.8184929	1.3692408
Apha 1 - inhibitor (II	0.94804174	0.6894434	1,1248008	0.7530846	1 1208439	1 2511894	0 7084510		0.90514237	1.0862126	4	-	1.1993883
Phase-1 RCT-233	1.0536338	┢	0.94930446	1.0332477	1 1303875	1 0423687	1 2625356	-	0.0191292	0.0202020	2 5	1.3736301	0.83813685
Paracconase 1	0.9426221	0.98646694	1.172843	1.1120679	1.2485528	1 8595635	1 0943853	-	+-	-	0.03123210	3 6	0.8920857
Presentin-1	0.96997863	0.707888	1.1011269	0.7595058	1.1401119	1.3006299	0.791919				4-	_	O SESSONE
Aportpopratein C1	1.002663		1.1368703	1.0599985	0.9271419	1.0947304	0.8912359	1,403748	٠.	Ļ.	F Z	0.67636875	0.42197943
Dhase 1 Det 277	0.8632489	=1			1.0541435	1.1242874	0.9763322	1.4652312	1	╨	-	i so	0.7854656
Henatic linase	4 0020205	1.0354233	1.203295	1.0080854	0.93063428	1.3006263	0.9652505	ш	-	1.1154537	1.1470227 0	685	0.9644726
Phase-1 PCT-184	0.00000	0.4920003	1.13//638	-	-	0,9169835	1.1281025	1.0882715	0.592111	0.9571443	0.8833829	1.2955606	1.0476605
Mulfidmic resistant portein 2	1 0074447	13265081	1.02/3/18	_	_	-	ᅱ	6	0.85880727	0.8356723 0	0.80861205	0.7676972 0	.60793144
Insulin-like growth factor I expn 6	0 8548310	0 6780630	1 202671	0.80427283	0.78630616	0.95575994	-	-	0.95471718	1.1311151 0	0.82806516	0,974259	1.5471196
N-hydroxy-2-acetylaminofluorene sufibitansferase	0.7978133	0.5622116	1 041908	0 9947101	1 1540 787	1.0329089	4	_1`	4	_+	4	2.514955	1.6484292
(STIC1)			5	101 74660	1. IO/0/0/	1.100/142	0.9170986	1.324219 0	0.57236234 0	0.56147367 0	0.61742324	0.5179471	0.4375308
Dynamin-1 (D100)	0.9834482	0.86403215	1.1829777	1.0817814	1.0112854	1.0459186	1.2497054	1.1079288	1.0890479	1 273531	1 0949918	0 922025	1 08000744
DIVA polymerase beta	0.9383477	0.86488867	1.058221	1.0997407	1.1790401	1.1342585	1.1652769	ш		1	上		0.52875847
									ı	l			

Phase-1 RCT-173	1.0929438	1 1953342	0.8763724	0.88577305	0.045861461	0 70944506	4 0756725	POTOTOTO	1001	00073000			
Ubiquitin conjugating enzyme (RAD 6 homologus)	ļ.,	1.0315295	1	1.0136826	1.2876282	1.016601	1.0319165	1,3948337	0.77206075	0.77595484	0.8322064	0.85/581	0.66393495
Dibonard amely 1 49 A	1												
Dhase 4 Dort 444	0.89639034	1.2506928	1.0689434	0.91830444	0.90430754	1.1720923	1.1009039	1.2660726	1.6335803	1.3975961	1.286034	1.0661944	1,3550946
CHESCH ROLLING	1.151601	0.8738882	0.7698096	0.8912505	1.0473132	0.8092386	0.8913565	0.7848666	0.9927374	1.0225378	1.0252868	0.92729956	0.93275523
Vesicular monoamine transporter (VMAT)	1 1387581	1 1480407	1.0348/5	1.0/66245	1.0878763	٠.	1,0702138	1.1065426	1.5174942	1.06568	1.1960847	0.96239877	0.9468818
Phase-1 RCT-273	1 0440537	1 0490493	0.010/0/20	0.0352917	0.0230393	_	0.63682455	0.5051228	0.94501315	0.9592435	1.0090556	0.789795	1,0115222
Phase-1 RCT-230	1.0424255	1.1047841	0.8037633	0.80976677	0.93030040	0 04585705	0.09311/33	0.700010	1.1050551	0.88058956	0.8133/8	0.8731911	0.9032922
Phase-1 RCT-74	0.89450916	0.9511952	0.8137645	0.82183343	-		0.83031256	0.07170704	1 1212586	1 0697900	0.9283437	4 205450	1 2459456
Phase-1 RCT-80	1,0373298	0.8262343	0.75404874	0.84409285			_	0.42911285	1 1422823	0 9200924	O RRRORGS	0 82745075	0 88676447
Phase-1 RCT-158	1.0437828	1.0557498	0.8455753	0.71460307	0.7126881			0.57285964	0.8638227	0.78799814	0.8289086	1.0324803	0.92092973
Deoxycytidine kinase	0.9847535	1.3911669	0.69576865	0.78395855	0.6789329	0.57801926	0.5741494	0.5049063	0.621178	0.8078497	0.89514376	0.8988679	0.8296119
Inostiol polyphosphate multikinase (fpmk)o	1.1097759	0.9144571	0.889413	0.93908215	0.9712557	0.8709334	_	0.56964296	1.1014438	0.86885643	0.82398367		0.80177474
(Neuronal cell adhesion molecule (NrCAM)	1.0969524	1,1552904	0.84722847	0.8344101				0.4500012	1.8049144	1.5670975	1.4235246		1.3118813
Hepatocyte growth factor receptor	1.0912337	1.0919375	0.75514984	0.7909001		0.65384614	0.71690136	0.6998936	0.8756652	0.8505459	0.6927421	0.5856477	0.69348055
Permina	1.2383223	0.9461708	0.71830815	0.6837361	0.6388046	0.3932229	0.5490186	0.5155769	0.97265095	0.93846697	1.0599746	0.8526222	1.0375805
Coparini Receptor UZ	0.91758424	1.0689014	1.1288776	0.99327105	0.9423516	1.0376074		0.91984814	0.7782905	0.92602897	1.0337011	1.5666027	1.2188352
Figse-1 RCI-51	1,1216084	1.2764157	0.9288092	0.9291629	0.9345058	0.8927864	0.7495346	0.6978371	1.1926165	1.1183248	1.1867886	0.9234845	0.72154474
rour repeat ton cranne	1.0984821	0.9321443	0.83799925	0.94028586	0.84883595			0.7481159	0.6832525	0.5986822	0.67868376	0.7852765	0.8512503
Caveolin-3	0.88/26646	1.0187354	0.7991801	0.7794185	0.72570527	-		0.43738618	0.5068652	-	0.80584407	_	0.54743415
Phase-1 RCT_190	1.12/2/2/	10.989612	0.8525927	0.8939703			_	0.648937	0.8844217	0.8858974		0.8620859	0.8285823
Phase-1 RCT-94	4 0724034	1011011	0.0/34/36	0.9114183			-	0.45815372	0.847071	0.83932585	_	0.88658476	0.9321862
Samudasmic reflection ATPaca	4 40/8596	1 2200212	1.000/890	0.98803620		_	0.93621176	0.779914	1.1839553	1.0424013	1.1108382	1.0000618	0.9668041
Phase-1 RCT-79	1 0685/85	4 4044827	0.1101132	0.0002200	BEST CORON	0.7985292	0.6665023	0.5874262	0.9316159	-	0.8389593	0.8516403	0.70646304
Phase-1 RCT-252	13054828	1 4805549	1 3879407	4 5403284	1.0239735	1,0033371	10.9278701	0.9391303	12777705	-	0.89768237	0.9819826	0.9046735
Phase-1 RCT-151	1.1104537	0 8965128	1 2450597	1 220766	14470024	4.200504	1.3031//2	1.809033	1.0238385	1.2212594	1.3052369	1.3694975	1,3222068
Phase-1 RCT-70	0.8646334	0.83651134	1 0530789	0 9995840	0 85148835	9500390	1.5150205	1.3223611	1.06/6245	1.0085192	0.9903602	1.3622112	1,3367156
Phase-1 RCT-150	1.2881221	1.138945	1.2715904	1.1109099	0.89195593	0.9608721	1 0198819	0.001/000	0 8044642	-	1.0000024	1.5366081	1.5237895
25-hydroxyvltamin D3-1 alpha-hydroxylase	0.89796793	0.9750094	0.71316284	0.66009885		0.44700158		56944245	1 3460324	-	٠,	1 906930	0.8693302
Phase-1 RCT-119	1.2812715	1.4636695	1,2806668	1.4291596	-	1.3986951	1.1259328	1.3204329	1.009459	13546298	1 6487868	1 7984314	1 631078
Peroxisornal 3-ketoacyl-CoA thiolase 2	1.2437271	1.2767972	1.3512028	1.1658541	1.0428578	1.4888984	1.7696917	1.318767	1,8553189	1,6007047	1,5657765	2.0770254	2 388041
Phase-1 RCT-146	1.1216372	0.94090118	0.90625334	0.92631346	0.86318034	0.67482126	0.99266684	0.76394653	1.13651	1.0848345	0.99561137	0.98901397	0.932836
Superaxide disminase Mn	1.1055795	0.92090976	1.0501142	1.1509815	0537	2	1.2420714	1.4487889	2.1166458	1,3065054	1.07055	0.8930745	1.1006899
Alpha 4 adomedala finalista de	1.2022982	1.1684269	0.8007443	0.82830036	_	_	0.78717947	_	1,4136869	Н	1.0619855	0.8247751	0.9901185
Apria-1 mangapulingikum predirsor (Ambp)	1.0553844	1.0075696	1,309138	1.2299662	1.1758246	1.2644727	1.1695609	1.595321	0.84121984	0.8851407	0.97985405	1.0083065	1.0017376
Phase-1 RCT-18	1.0614014	0.88595116	0.8133482	0.899987	0.84881943	0.7789029	0.8349345	0 63296765	0 94240415	1 0910003	1 147559	4 4832578	4 4665540
Maspin	1.0006512	1.1326327	0.70717466	0.7416543	0.7030087	0.5214419	-		0.5991913	+-	-	0.89171386	0 59801257
Decorin	0.9974561	1.8561749	0.77859825	0.8544032	0.7804724	1_	+	0.801643	1 2596266	_	_	-	0 71875596
Retinoid X raceptor alpha	1.0117213	1.1120503	0.74312486	0.76403594	0.7571999	0.5269519	0.7198363	0.57638997	1.3541282	1 2994206	_1	٠.	1.1799998
Cellular nucleic acid binding protein (CNBP)	0.80328166	_	0.92452526	0.94545436	_	1.195166	1.0128442	1.1418208	1.2765658	1.3339355	1,132881	1.0423511	1.1544057
Melic contemp P450 oxidoredictase	1.2859615	1.0381535	0.9404747	1.0047662	_	0.86215466	펀	0.88571453	23438296	1.8283408	1,30055	0.9324445	1.4023267
Caspase 1	4 0/6028713	0.8448037	0.8206502	1.1056576		0.84227176	-	0.7438758	0.6504022	-	1.0812992	<u>e</u>	1.1399237
Ovstatin C	0.8840187	1 305763	1 0100334	4 0072908 4 0666657	4.06666574	4 4020464	. † .	0.54272825	1.028149	-	-	-+	0.77504253
psscoc	1.0464994	0 9041542	0 68151635	~	-	0.1830401	1.34/4911	1.3913218	0.6782345	0.8056421	-	0.75428396	0.7260702
Poly(ADP-ribose) polymerase	1.2161175	_	-			0.82213336	0.077744		1 2570182	4 2069782	1.082/49/	1.3310978	1.0144697
Tissue plasminogen activator	0.98470265		+	-	-	0.86656775	_	0.85165746	0 7850498	0.0558422	1 1748437	1.0024/9/	1.3823314
Multidrug resistant protein-1	0.9745482	1.1220059		0.9007906	-	0.9379168	+	0.7493398	1.465797	1.632823	1.046808	1 5089449	2.25R52GR
Phase-1 RCT-207	1.15641	1.0431026		0.92477715	1.0709904	0.6565212	1.0031072	0.857376	1.1393545	1.1142051	0,9087126	1.086831	1.1804194
Phase-1 RCT-181	1.123779	1.2649677	12847123		1.087429	1.5076785	1.15043	1.3004628	1	1.0439457	1,0076227	0.8573968	0.8885824
(Gib1)	0.78381026	0.978082	0.95284975	0.8614093	0.70173454	0.9449891	1.2726886	1,2105608	1.0653778	0.95280375	1.0058433	1.5569992	1.5384859
Aquaporin-3 (AQP3)	1.0041261	0.982564	0.93896558	1.0083629	0.8272347	0.7520178	0.8131149 (0.69612336	0.99969846	1.0529689	1 0655448	0 89555685	1.071155A
Myelin basic protein	0.9694349	+	-	0.92193294	4	_			1.1186091	1.0777372	_	1.2511829	1 0923484
Calgranulin B3	1.0698605	0.99071074	0.8544527	0.91945356	1.0137987	1=1		0.9827769	1.165072	19	0.92906666	1.168935	1.1878437
						,	1			4			

Phase-1 RCT-156	0.88913226	0.88913226 0.97993904 1.0628765 1.166371 1.0607066 1.0753598 1.1165774 1.2155776 0.81754094 0.8660827 0.9578367 1.1086513 1.075074	1.0628765	1.166371	1.0607066	1.0753598	1.1165774	1,2155776	0.81754094	0.8660827	0.9578367	1.1086513	1.025024
Proteasome activator 28 alpha	1.0299863	1.1851612	1.0516393	0.89806855	0.9541479	1,4470281	1.0177208	1,1804894	0.9647846	1.0198134	1.1851612 1.0516393 0.89806855 0.9541479 1.4470261 1.0177208 1.1804894 0.8647846 1.0188134 0.90879756	0.8000342 0.75129265	75129765
1) Gene expression data for 72 hour timepoint					-		-						
are presented as mean ratio of treatment/control													
or all 72 hour predictive genes (Table 23).													
2) Compound and dose abbreviations as in Table 1.	`												
3) Individual animal number			_	/			-						
 Liver Inflammation classification for compound dose group at 72 h; ves-next, negosis observed; 	-												
/es-both, necrosts with inflammation observed;		-											
no, no histopathology observed											-		
(5) Predictive gene (as in Table 23 and as													
ngluded in lable 26)					_								

Table 30. Expression Data for 72 Hour Timepoint (1)													
	П											T	
(2	CHLOR 8	CIS 10		\neg			CLO 250	CLO 250	CLO 250	CLO 75	CLO 75	CLO 75	CLOZ 180
Antmal Number (3)	49	337	338	327	328	328	1847	1848	1849	327	328	328	2437
Liver I oxicity inflammation Classification (4)	8	٤	2	2	2	9		8	2	20	92	no r	Q
Dhase 1 DCT 407		0.000	1		_								
Potring formattel	1.1040503	1.2050279	1.1860057	_	0.98387367	0.85660315 0.85798255	.85786255	1.1535496		0.98780525	0.98294383	1.0979954	0.9462215
Proliferating cell nuclear antinen nene	0.85052663	1 164426	1.2810035	1.28565	1.3552231	1.2263014	1.2850422	1.7182597		1.129746	1,5316123	0.9437009	1.7182473
Cytochrome P450 2D18	1.620505	0.92265824	1.0682192	1 1304383	0 992913	1 2354817	0.808384	1.0792899	1.0222216	0.97206366	0.9666366	0.9698149	0.9380521
Cytochrame P450 2C11	0.7623972	0.8200362	0.74885976	1.4810358	1 0984901	1 3281355		1 288407B	1 1206031	1 0849015	4 0341301	4 3738428	0.8243827
Phase-1 RCT-290	1.2662978	1.5195469	1 1415051	13182094	1 1283954	1 1438283	1 2402562	1 556267	4 4688250	4 2014552	4 5496504	0.000000	4 6000000
Phase-1 RCT-59	1.10851	2.9039736	1.3675672	1.174321	1.2717853	1.4722927	1 1641364	1.0482311	1.0875286	1 7551739	1 00552		0.81232214
Beta-actin, sequence 2	1.116062	0.45798177	0.46824336	0.5998557	+	0.62171096	1.1984866	1.0989606	1.0445635	1.0493075	1 0808219		0.8409578
Phase-1 RCT-292	1.0773232	0.99443907	1.0375394	0.8957689	-	—	0.90883416	0.9553739	0.9850354	7	0.9488284	0 9427824	1 0817136
Pynvate kinase, muscle	0.87665296	1.2756343	1.0484035	1.2100815	0.98904695	0.9911111	1.1862054	1.0725667	1.1761512	12932767	1.2452881	1.2199684	0.9232183
Osteoactivin	1.2298236	1.1182581	1.1104393	1.0045757	1.0052737	0.94589627	0.8116155	0.8898287	0.942643	0.9053036	0.9081503	1.0902715	1.0470521
Calgrandin B1	0.97015893	1.0528066	1.1025147	0.85485125	0.8457502	0.83987945	1.186814	1.2653166	1.1048447	1.3528906	1.46164	1.2143196	1.0031493
Apolipoprotein All	0.9653257	0.47031394	0.54350656		0.41325614	-	0.98628676	1.0646089	1.1456043	1,5678413	1.987918	1.5839444	1.0280713
Cornexin-32	2222517	1.1624762	1.2041072	1.0712599	1.2815711	1.1313627	1.1734303	1,0917556	1.3087727	0.82264864	0.9047122	0.9322869	0.9221805
Phase-1 RCT-109	0.99574478	0.7803682	0.80021864	0.8250554	0.84159875	0.7643202	1.1899779	1.1854125	1.2552323	1,2139648	1.2598127	1.2234077	1.0093459
Glycine methyltransferase	1.1641561	1.911817	2,5303175	3.0997126	1.0690762	1.3857857	0.6301502	1.1144465	0.81281465	Ξ	0.98795766	1.1574805	0.8554119
L-guoro-garrana-lactone oxidase	1.5197248	0.5856889	-1	1.0657681	0.9799438	1.0981514	1.2589438	1.0926915	1.1418864	0.7360476	1.0364488	0.8872967	1.0579875
Phase-1 KCI-256	1.3728811	1.1307808	0.9934428	0.9720526	1.012399		0.88772744	1,0188413	8	0.9160507	1,0599887	_	1,1827104
Dhan a Dort To	0.44591433	0.0518160.0	0.13872902	1.1061059	1.1634915	-	0.57787305	1.1484063	1.0025443	0.32918364		_	0.65075743
History Rel -/8	0.92867523	0.7371724	0.737639	0.8495624	0.92334944		0.8343665	0.8398009		0.78759773		0.88831353	1.1954168
focilities much factor 1	0.000099	0.48338478	0.8897038	1.0799078	0.9519141		0.72428564	0.8438141	0.6935291		w t	0.80570628	0.8842461
Avi sufotransferase	0.88412011	1 5849442		1 158707	1 080087	1 2227482	0.9629328	_	0.9441771		_	0.8495425	0.8766206
Phase-1 RCT-185	0.6202152	0.7353736	0.8620742	1 1752869	1 114459	┸	0.6421781	0.888457		0.00340400	-14	1711/CBB.0	1.13/8250
Cofflin	1.1252747	0.99164957	0.9999994	1.0472926	1.1864699	100	0.86866355	0 934597			0.0201233	0.0578020	0.9433644
Stathmin	1.058409	0.9191238	0.7821424	0.8710318	-	_	1.1661102	1.1712971		1 2866173	1 1930368		0.8432205
60S ribosomal protein L6	0.9174951	0.9691675	0.9712295	0.8938114	1.0258949	1.0444078	0.9214682	+-	0.85974544	0.8915091	0.952731	+-	0.88393897
Calpactin I heavy chain	1.1739633	0.82494015	0.8825272	1.044323	1.1516588	1.0419444	1.1299608	_	1.1056453	1.1848924	1.1991482	_	1.0335804
Collagen type II	1.1502278	0.8749799	0.9227452	0.91625893	1.0397073	0.89678496	1,4748582	1.279971	1.4810424	1,5041149	1.1606214	1.3658911	0.9795343
Phase-1 RCT-179	0.9357208	0.8943745	0.9263911	1.0046568	1.008543	0.92348915	0.8913868	0.8809685	0.9182175	0.8827379	0.8725108	0.9515146	0.8478805
Voltage-dependent anion channel 2 (Vdac2)	1.0871247	0.874212	0.8707937	0.9022591	0.9375227	-	0.9989374	0.9973521	1.0182475	0.91352254	1.0787352	1.0468419	0.97333056
Adoptor middelia Accel	1.0632883	0.8341894	0.96610045	0.9649649		-	-	0.88800645	0.8240222	_	0.94787645		0.91934013
Thomasia hata-40	1.0320092	4 0447002	0,0000000	419020014	٠,	1	0.846294	0.8256118	0.93933988	0.7078828	0.8168544	-	0.84280355
High afficity loff recentor mamma whain	0.02402184	1.0117003	0.0402019	_	1.0323272	_		1.1831346	1.071186	1.2527415	1.0449291	1247654	0.9489488
(FcERigamma)	0.31.24.0.13	0.7321133	olececon olececon		4/89/C89'0	BOCTOSS.0	0.8/503284	0.83550694	0.9104615	0.8462859	0.8629695	1.0338173	0.9970236
Gamma-actin, cytoplasmic	1.3606876	0.8723598	0,8723598 0,97725046	1.0488225	0.81138715	1 0323488	1 005585	0.8131885	0 6925843	0 73620578	0 8494061	O TRAKORE	0 8020046
Uncoupling protein 2	1.0051489	0.8963276	0.88762605	1.0399705	0.97757775	0.9259909	1 2234535	1.1503826	1,2162932	1.4395825	1.0585432	1277636	0.941444
Phase-1 RCT-34	1.0159086	0.8007158	0.8528775	1.0092063	0.8652998	L	1.0189384	-	1.0857228	1.5470276	1.1323088	0.9235038	1.1171962
Phase-1 RCT-31	1.1602687	0.81620276	6	0.9501759	1.1458623	0.98812	0,8085082	0.9393882	_	0.66428834	0.79216146	0.98387414	1.139159
Cydin D1	0.78208226	0.88899337		0.73023045		_	1.4941002	1.0021977	1.1624887	0.7405773	1.0586667	1.0646968	0.6182134
The forming protein	1.0932478	0.8506749	-	0.91238236	0.9788468	-		1.0575904	1.0087712	1.0740477	1.168987	1.1904484	1.0140986
Dheed 1 DCT 198	1.1255347	1.1038026	0.8459533	1.0573537				-	_	_	-	0.9429043	1.0067227
Alabahihulin	4 2200604	0.04/4020	1,07,00343	0.8004 100		1		_	_	-	-+	_	1.0327804
Aloha-prothonosin	4 534337	0.0430070	0.7064499	1.0023107	1.0162864	0.8925532	4	1.131/111	1.0445901	1.1700181	1.1157101	<u>~</u>	0.82538474
Calpain 2	1.1426039	0.9732453	1 0218024	1 0070020	1.03/9020		0.63414483	0.8432830	1 0473830	_	0.80111	-	0.87835544
Phase-1 RCT-12	0.9356279	0.96785235	1.0285204	1.026814		<u> </u>	1 2407523	11556875		1.0798181	1 1643517	1 0332371	1 0449466
Cathepsin B	1.2341777	1.1264436	1.143755	0.89804447	٠.	_	+	0.95769924	0.8738011	0.821876	0.8303102	: =	1.1143695
Phase-1 RCT-24	1.1728342	0.7073689	0.79671276	1.0577207	1.128349	ш		1.2426472	1.137291	1.1363827	1,0947534	+	0.94578415
Melanoma-associated antigen ME491	0.8692262	0.90677845	1.0484036	1.406844	0.87538636	1.1619064 0	0.79937935 0.96923288	.96923286	-	0.94895715	0.8796393	1.0958934 (0.92351687

Obeco 4 DOT 50	4 404474	4 0007000	12,0000,	1200000	120,000000	10,000,00	12,00000						
Cyclin G	1 2539934	4 5148783	3 8423026	1.0702865	1 8297897	9 174272	1.0055945	1.0209638	1 1504087	1 09196814	1.0523821	1.0203646	1671620.1
Hypoxanthine-guarrine phosphoribosytransferase	1.6557747	1.0344555	0.91694236	0.9808455	1.1388215	1.0063814	1.1198276	1.0930597	0.98873526	1,1343545	1.1225835	1.0134984	0.9240628
Tissue inhibitor of metalloproteinases-1	0.9027147	1.1491009	-	1.1464313	1.2812355	1.1108104	1,2563466	1,2317134	1.0989803	1.2504544	1.170394	1,5331633	1.6432718
10-1	1.0273376	1.1173414	10	0.89172703	1.1324303	1.107685	1.1143597	1 1300515	1.2850647	1.2404692	1.1519614	1.1211462	0.830953
Home avainance	0.66096413	0.9585394	0.9487907	1.0073074	1.1086347	1.043815	1.0404313	1.051549	0.88483036	0.839428	4 4504456	0.954371	4.040404
Riboomal potein SR	0.0349602	0.0313108	4 0653697	1 0786050	4 0796333	0.7239071	0.6449040	0.0001030	0.00919213	0 7434343	0 0664436	0.0004044	1.212.103
Ribosomal protein S17	0.8843263	0.890899	1 0431285	1.0616877	. 	0.90300300	-	0 79450278	0.70329165	-	0 74872198	0.8571934	0 9221901
Nucleoside diphosphate kinase beta isoform	0.8702327	0.9791521	0.91638863	1.0548846	_	+	-	0.9876292	1.0326612	+-	0.9776928	1 0868206	1.1055046
Phase-1 RCT-121	0.8731684	1.0948791	1	0.96957654	0.976125	0.94250345	1.064165	1.0115452	1,1120313	1,3056028	0.93291926	1.0641267	0.88482785
14-3-3 zeta	1.0825241	0.9331554	0.90663475	1.0202873	1.0055805	0.9615413	1,2368373	1,226684	1,4380044	1,2662808	1.2563125	1.1771941	0.8049418
60S ribosomel protein L6 (alternate clone 1)	1.2176985	0.87617147	2	0.95783037	1.0378847	0.89881533	0.9341015	0.92622125	0.8602765	0.9292013	1.005178	1.0348061	1.0744086
Beta-tubulin, class I	0.8338937	0.7040052	0.65838313	1.2305417	1.4083989	0.9479913	1.4334968	1,2262316	1.0499283	0.9871375	1.1816227	0.96548575	1.1240833
Organic cation transporter 3	0.915661	1.1004934	1.1000855	0.85017093	0.9810325	0.8892357	0.9983742	0.93810636	0.8824397	1.2534969	1.0935893	1.0776142	0.90303314
Beta-actin	1.790281	0.0332651	0.80887914	0.9520429	0.7971798	0.90041953	1.0865628	1.0317171	1.0713162	0.8696831	0.87213945	0.82056704	0.7010646
Cathepsin S	0.77168643	0.84135354	1.1595737	0.9101036	0.6704568	0.78731585	1.3177131	1.048874	1.236654	0.7847089	0.8652605	1.165069	0.90968716
Biliverdin reductase	0.8025396	0.85972095	0.9698	0.9758207	1.0025079	1.149612	1.1595095	1,2131915	1.18346	1.0727723	1.0841044	1.1548634	0.857626
Phase-1 RCT-154	0.93150383	1.6071781	0.8985516	0.988833	1.1784314	1,4258482	1.0729707	1.0544393	1.5428135	1.7016653	0.980823	1.0320556	0.8797327
Phase-1 RCT-293	0.9171872	0.83338946	0.98752856	0.8974685	1.0078584	0.9998678	-	0.98868495	0.9035178	1.0815189	1.0137541	1.1558373	1,2325428
Armexin V	0.8200424	0.9315673	0.8978122	0.972618	0.9868605	1.0157284	1.0552477	0.97988164	0.9139581	0.7842762	1.0576888	0.91553086	0.978928
Complement factor I (CFI)	0.7522709	1.4982016	_	1,0675962	1.0992205	1.0474553	0.7269937	0.7553364	0,76086044	0.78234595	0.7973687	1.0323981	1.5285076
Phase-1 RCT-276	0.5911197	1.0033212	响	0.90858406	0.9572065		0.7762138	0.8028705	0.7734636	ᇴ	0.811806	0.8193951	0.8606665
Lyrosine aminotransierase	0.68929005	1.4651281	0.811867	_	0.8624698		0.76084685	0.74464804		=1.	0.94249856	0.7028334	1.1251333
Glutathione peroxidase	0.7606451	0.73525186	1.0772704	∞ 1.	0.92927766	0.6975322	0.64163538	0.7807621	-	٠.	-	0.7642844	1.1214731
Compario aphylano III companio	0.8506/34	4 007036	0.8525958	0.698088	0.71567374		0.74108833	0.711471	0.5758647	0.6533731		0.94907254	0.79312134
Caluditic annyulase III, sequence 2	0.60310705	1.00/0264	0.80497943	0.554885	0.72850835	-	0.71065664	211200.0	0.54021/46 0.6/1918/5	0.6/1918/5	0.9/92584	0.9743663	0.7333337
Transitional endonlasmic reticulum ATDasa	0.90020323	0.04507825	1.120212	40,000004	1.0044/01	1.0343930	0.77.20971	0.07 1426	1 1206205	11926/10	0.9/69411	0.6562253	0.949846/4
Phase-1 RCT-88	0.85426414	0 9013882	1 0038286	0.8261452	0.924708		0.82893686	0.8279072	0 68637186	0.3040237		٠.	0.8051984
Phase-1 RCT-296	0.92991173	0.25720066	0.3800804	8	+-		0.779596 0.74913937	0.7582525	0 77042156	0.88958323	0.80934876	0 7963633	0.8878326
Phase-1 RCT-181	0.98541343	0.5727775	0.72876835	-	1.088225	1.2054623	0.76059175	1.1574305	0.8729064	_	0.75947636	1,0821266	0.9364811
Glutathione S-transferase theta-1	0.81950456	0.68726015	0.75801605	1.2502565	1,6064329	0.95071363	-	0.92536455	0.8401468	271	1.1357192	1,0091136	0.9678088
Phase-1 RCT-168	1.088602	0.9165564	1.0514191	0.7662099	1.0272028	0.885765	_	0.8456505	0.9373128	0.8879309	0.94670105	0.90428805	0.96144223
Phase-1 RCT-182	0.78648275	0.87400734	1.1050268	1.180435	1.0178074	0.92515707	0.723862	0.7957155	0.8957844		-	0.82137454	0.97417176
JNK1 stress activated protein kinase	0.56782764	1.3835706	1.1870356	1.3321251	1.0617193	1.3050778	0.8081523	1.0172044	0.8792153	0.7572898	0.9421501	0.98635507	1.088009
Phase-1 RCT-81	0.8308981	0.9318418	0.95309424	1.0348674	-	0.98131007	0.7687504	0.8524849	0.81968355	0.7464432	0.8136552	0.8398508	1.0788796
Phase-1 RCI-33	1.2288055	0.79550636	_	0.800114	0.9499743	1.0281783	0.959688	0.9972343	1.073124	1.2744461	1.1710118	-	1.1676088
Applipmentals CII	0.6846035	1.0814548	1.078/522	4 402042	0.9940011	4 4290444 0.091648066	0.91648066	1.0698549	0.809707	1.3597636	0.8871194	1.192361	0.82585484
Phase-1 PCT-08	1 2780043	1.3020430	4 0484025	0.00560833	0 86030853	0.0000044	0.890940	0000000	0,7303104	1.0100202	1,3391/91	1.18044//	4 0460452
NADH-extochome b5 reductase	1 178955	0 9982897		0.0300000	1 0551381		0.0302250	1 1390207	0 07551998	0.02202044	-	0.1433/033	1 2244638
Alpha 1 - inhibitor III	1.016634	0.38240436	0.52450687	0.98590346	0.957236		100	0.86010504	0.9536364	0.36854592	0.7111975	0.77325084	1 0637507
Phase-1 RCT-233	0.86119986	0.9662291	1.1845598	1.0131819	1.2574339	1.0784715 0.78295517	\.	0.95253015	0.85845107	0.8946501	1.0414444	0.8898511	1.1659905
Paraoxonase 1	0.59551567	0.5435456	6	0.92047024	0.80901533	0.91163015	0.73536223	0.69039714	0.7640103	0,5735727	0.7498099	0.84113846	0.9978377
Presentlin-1	1.060371	0.39001957	0.53276515	1.015062	0.8073956	0.8695355 0.79777646		0.84639966	0.9003035	0.38544223	0.7789034	0.821778	1.1132132
Apolipoprotein C1	0.3613508	0.80755544	1.107757	1,1080104	\dashv	1.1849256	0.6602634	0.79121125	0.57507014	0.62019485	1	0.88238066	0.89983726
Cytochrome P450 2C23	0.8913941	0.98810744	-	1.0025927	-	0.83622473	0.6833855	0.8507431	0.84780663	0.72309476	0.77496964	0.6826123	1.1468648
Hasseri KUI-22/	0.877337	0.6307741	0.83027476	0.85261023	0.8281875	1.4431889	_	0.8048629	0.73706776	_	0.6572302	0.8640105	1.4124557
Dhara 4 DCT 484	74004404	4 5547044	200000	0.0377000	4.0502404	4.0040024	0.3243340	0.04973003	0.70007.10	0.04020170	DOEDONCE'D	100101	1,000
Middle moleton moleton	4 2040447	1.0042841	1.000001	1,1/66024	1.0593404	1.0946831	1,0061692	1.3746598	0.8771573	1.1928319	_	STOREGO L	1,89652735
Insulindike convet factor I exon 8	1 9607165	0 60086787	0 8080932	0.7898039	0 7734144	78440005	1 1518336	0.040234	1,3/51001	7.1326132	4 0503702	0.974 19707	0.7300000
N-hydroxy-2-acetylaminofluorene sulfotransferase	0.4997667	0.24251516	0.47712812	1.045023	0.9228173	0.8238575	0.8657607	1.1063266	1.0626724	0.7114425	0.92791533	12160424	0.9281993
(ST1C1)					_								
Dynamin-1 (D100)	0.9069612	1.0457985	_	0.96254754		0.92052877	-	0.96909606	0.89496684	0.8043146		0.9725013	1.1697279
DNA polymerase beta	0.5658899	0.9902088	0.9707441	0.97101516	1.0331366	0.99597377	0.8545055	0.89730585	0.8586736	0.7472459	0.9479275	0.91563916	0.9295508

Phase-1 RCT-173	0.9918989	0.94376767	0.7949872	0.967313	1 2230928	0.93892604	1 227 1923	1 5148808	1310408	1 3240877	4 034973	4 2527395	70063007
Ubiquitin conjugating erzyme (RAD 6 homologue)		1.0160139	0.96207786	1.0563993	1.0078319	1,0030812	0.9985704	0.9760462	0.9373851		0.96355456	i .	0.8535852
Ribosomal protein L13A	1.2000957	0.7102276	0.75035554	0.8126704	0.84428275	0.78877577	1.2894015	1 2024813	1 2459906	1.3866626	1 7264642	1 254413	1 0101775
Phase-1-RCT-144	0.89174616	0.8721893	_	0.91480913	0.95813924	0.9061182	1.048176	1.02095	1.03398	1.0877491	0.9817022	0.94910115	0.84350754
c-H-ras	0.8813393	0.94447684	1.0706655	0.9095063	0.8879647	1.0851755	0.8394117	0.88357514	0.9053408	1.0897437	1.0532024	1.122163	0.968885
Vesicular monoamine transporter (VMAT)	0.91865014	1.4291339	_	_	0.93271637	0.975552	0.7998657	0.87706465	0.7374106	1.1889504	1.0912193	1.0388503	1.11314
Phase-1 RCI-273	1.5044357	1.0264226	_1	1.1943201	1.0058334	1.0461745	1.0792998	1.0575459	0.9870295	1,3565386	1,0136758	1.0308598	1,2969216
Present RC1-230	1.550924	0.9616602		1.100251	1.100251 0.91216063	0.93521494	1.1029825	1.1342537	1.1564319	1.3620398	1.0917063	1.0846314	0.998303
Phase-1 PCT-An	1.3/3423/	1.22/19/93	4	1.226/33	1.0055928	0.8400375	1.15/5601	1.1997324	1.1109499	1.1866032	1.0552747	1.0518601	0.9821108
Phase-1 RCT-158	0.000410	0.84000105	1.01/3062	1.2338/31	0.7413942	4 09052842	1.1120284	1.1107833	0.95377004	1.3833706	1.0163708	1.1310221	0.9810921
Decountiding kings	0.020000	4 4837765	4 200450	4 2042000	0.53453534	1.0003203	1.114032	1.0707070	1.3184730	1.24/01/5	0.95189823	1.0738997	0.9235282
Inosital polychosobate multikinase (lomkto	1 1495974	1 1121787	0 04301155	4 34 28 4 58	0.9836226	1.1184556	1.0650/38	1,00/9104	1.0854434	1.46544/8	1.15129/1	1.0983377	1.1351107
Neuronal cell adhesion molecule (NrCAM)	1 2744156	1 3911322	1 3609712	1 3856106	4 0359925	1.0302403	1 2124584	1 2247747	1 132001	1.4118007	4 00000347	1.10/4880	1.0153/4/
Hepatocyte growth factor receptor	0.7679553	1.0067781	1.1784058	1 2700106	1 145827	1 0801301	1 0181377	1 0353161	4 0604752	1 1504852	1 4482725	4 4220022	4 0420048
Empty	1.0716068	1.1873058	0.99874246	1,1215959	0.91223866	0.94738334	1.4732691	1.5088389	1 0935992	1 6437234	1 0201893	1 0004267	0 9281148
Dopamine receptor D2	1.1789442	1.1774334	-	1.2145483	0.86959167	1.0299872	0.94813883	1.027237	0.90187218	-	0.93413794	0.92060614	1 0576689
Phase-1 RCT-51	1.1932184	1.3217887	Ľ	1,2258068	0.8416991		0.97426134	0.96903986	0.923803	-	0.9416176	0.8738144	1.1042428
Four repeat ion channel	0.734738	0.98836154	0.9915488	1.0704885	0.9516864		0.9518161	-	0.96241796	0.94028884	0.86059207	0.9271146	0.9607537
Adrenomedullin	0.6888355	1.4675817	1.0796326	1.4602786	0.739044	1.0596397	1.0401658	1.0170588	0.8759673	-	0.91289973	0.926124	0.9742067
Caveolin-3	0.96048534	1.1055185	9	1.1477848	0.97474706	0.9351688	1.0829431	1.183573	1.0487099	1.2486302	1.0386006	0.9739134	0.9777281
Phase-1 RCT-129	1.1013538	1.135348		1.1048384	0.9564209	0.93936336	1.0679153	1.0009713	1.0009713 0.95128745	1.2158941	0.9669579	1.0246842	0.9422712
Phase-1 RCT-94	1.0647491	1.0718504	ŀ	1.0428271	0.99387556	1.0030878	0.9938159	1.0211622	0.9751607	-	1,060996	1,0861362	1.0424982
Sarcopasmic reticulum calcium ATPase	0.96692127	1.2629675	1.0713195	1.3359821	0.95398706	1.1220436	1.1204333	1.1905944	1.1599048	35	0.98270583	0.92552423	1.0366815
Priase-1 RCI-79	1.447911	1.1213571	1.0604285	1.164928	0.93565404	1.093658		1.0313805	1.0298617		1,09605	0.96536577	0.9537262
Prinsip-1 RC1-252	1.2739732	1.6600134	1.3820537	1.1396049	1.0951732	1.0997089		0.98812145	1.0433177		_	0.8336971	0.912933
Priese-1 RCI-131	1.294545	1.0744085	1.1320019	1.1652548	1.2974113	1.2554277	1.0391046	0.99199027	1.0281897	0,9056748	_	0.90831804	0.89015803
Dhan 1 DCT 150	1.5265465	0.97608376	1.0091974	1.1015031	1.1081992	1.0895936	13925475	1.3414444	1.4298245	1.171981	1.1658045	1.133873	1.043068
25 Indiameterin D2.1 atche Indiameters	1.1002913	1.0306/1/	700000	1.109/041	1.131/338	1.17.17665	1.1208013	1.1547956	1.013249	1.0905985	1.0067703	1.1867648	0.9435348
Phase-1 RCT-119	1 5450387	1 428825	4 224222	1.0043303	1,230309	1.060/06/	1,4/5353/	1.353/24/	1.223/6/4	1.2828373	1,0281103	1.1371837	0.9971875
Peroxisomal 3-ketoacyl-CoA thiolase 2	2 4004007	0 78437058	19	0 7750175	4 4897609	1.00222003	1 0766201	4 5070007	4 9243005	0.77379384	0.93514//	0.8280927	0.9859894
Phase-1 RCT-146	0 9908797	1 077553		1 0772424	1.105/603	1.0233223	1.0/00294	1.5026967	1.3313035	131/2/03	1.4863613	-	1.0512481
Supercodde dismutase Mn	1 0682863	0.825608	0 7303486	0 84858307	0 9700485	1 0036833	4 2586026	1.0400423	4 465007	1.2040003	1.0714042	1.21564/4	0.965050/6
Phase-1 RCT-115	1.1028341	1.1413223	1 0362129	1 1505951	0.9795885	1 1020707	1 2170125	1 206048	1 3447568	1.17 10/01	1.3008000	1.0330040	1.240112
Alpha-1 microglobulin/bikunin precursor (Ambp)	0.8399561	0.9837073	0.9681382	1.042535	1.0968413	1.0188049	0 6906587	0.8181381	0 7853707	0.6530989	0 76999597	0 81000584	1.1430330
										EDECOCOTO	0.00000	1000000	200
Phase-1 RCT-18	1.1465908	0.9913575		0.98920596	1.0165082	0.9942715	1.016609	0.99523306	0.9545182	0.9832156	1.021927	0.9167369	0.9953706
Waspin	0.7286008	1.3188611	1.0204993	1.2080164	1.030389	1.0130857	-	0.98044497	0.9222945	1.4162441	1,0565958	1.1058882	1.0072879
Delicald V manadas slake	1.42/3/62	1.2796009	1.0950603	1.1839974	0.7684189	1.3463237	1.213962	1.383144	1.1731166	1.5448929	1.0611687		1.0785158
Celtifor number acid hinding periods (CAIDD)	1,110016	1.2061144	1.155642/	1.513/112	1.2851967	1.4408302	1.190143	1.0538983	0.8899396	_	_	_	0.99293196
NADPH cylichrome P450 oxidoredurtase	1 4670036	4 2883603	0.0528305	4 7040257	0.0244982	4 4456400	1.0338/3/	1.0706843	1.0039878			0.90082854	0.9564708
Malic erzyme	1.5438358	0.91913786	0 7524184		0 83871526	0 7368915	1 445719	1 M355808	4 45BE01	1.47.36023	1.3015//4	1.1445641	1.0056842
Caspase 1	0.7655454	0.9124986	0.76530355		1.1404732	1.0935359	1.3996022	1,3584989	1.3909407	1.5527923	0.9881916	1176501	1.0095468
Cystatin C	0.68937796	0.8072313	0.8072313 0.79667366	0,8566671	-	0.83010894	0.7090629	0.8142077	0.8513537	0.8775722	_	0.87276506	1.0186778
pescoc	0.91099894	0.9122131	0,9337932	1.0640508	0.85782945	1,1023355	1.1957258	1,1232985	1.0938914	0.6865053	-	┿-	0.78761365
Paly(ADP-ribose) polymerase	1.4138901	0.8264679	1.0871538	0.9685372	1.0537622	0.9870325	1.0127122	1.1415846	1.0406271	1.276317	1.0518146	1.0717946	1.0317184
Multidays mediating and maked a	1.1032641	0.7172432	0.9047335	0.9071759	0.93833417	0.87945753	0.08778284	0.9682371	1.0363616	0.9388581	0.7707032	0.8564374	0.9573944
Disco 1 Det 203	1.30307.44	1.10001.1	64760771	1.6463925	1.5136085	1.339567	1.2185552	1.1261876	1.3986751	1.1739591	10477154	1.0138515	0.7813795
Obsert ACT-20/	1.1069808	2.4369507	1.4879091	1.1143657	1.2271481	1.2290782	1.2428136	1.1899596	1.1118057	1.3872777	_	1,0684944	0.8646782
Gan lunction membrane channel amplia bets 4	1,0030287	1.2084018	1.2430/82	0.919736	0.9565241	0.9626901	0.9836846	0.9466561	0.7872711	0.8807867	-	0.87546694	1.0198245
(Gb1)	3	51 100 151	08171001	007/040.1	1./435121	1.3543742	1.6336833	1.4142183	0.9//0.0	1.23/116	1.2809743	1.1502087	1.280927
Aquaportn-3 (AQP3)	1.025233	1.0010842	0.9962442	0.9957577	0.9145036	0.8474362	0.9864455	0.9686655	0.91999936	1 2083824	1 0216213	0.95623493	1.0117993
Myelin basic protein	1.0404423	0.78222986	0.8129029	0.8082132	0.9794773	0.7421188	_		1.1608493	_		0.8382322	0.996685
Calgranulin B3	1.1750649	0.994459	0.9383415	1.0054494	1.0625972	1.0682346			0.96896905	٠.,	0,8979483	0.9530891 0.890577	.89057773
										ı			

Phase-1 RCT-156	0.9187415	0.9187416 0.84977424 0.890612 0.8612908 0.88149224 0.8027278 0.8866788 0.78615984 1.0449441 0.7806898 0.986241 0.9010282 0.8823205	0.890812	0.8612908 0	98149294	0.8027278	0.8866788	79815984	1.0449444	0.7806898	0.968241	0.9010282	0.9823205
Proteasome activator 28 alpha	0.8089116	0.8869007	0.99706423	0.8869007 0.99708423 0.9244762 0.92602235 1.0346128 0.89401793 0.94185823 0.90381473 1.0916772 0.9480881	92602235	1.0346128	0.89401793	94185823	0.90381473	1.0916772	0.9480881	0.9465617 0.98087937	0.98087937
(1) Gene expression data for 72 hour timepoint									-				
are presented as mean ratio of treatment/control				-							•		
for all 72 hour predictive genes (Table 23).													
(2) Compound and dose abbreviations as in Table 1.													
(3) Individual animal number				-						-			
(4) Liver inflammation classification for compound						-							
dose group at 72 hr yes-necr, necrosis observed;	•											_	
yes-both, necrosis with inflammation observed;													
no, no histopathology observed		· · ·											
(5) Predictive gene (as in Table 23 and as included in Table 28)													

Table 30. Expression Data for 72 Hour Timepoint													
(1)													
Compound-Dose (2)	CLOZ 180	CLOZ 180	CL 0Z 45	CLO7.45	CI 07 45	CMC 30	ONC SU	CMC 30	Con sono	The Society was something our someth	307100	_	1000
	2438	2439	27	82	8	157	158	159	2157	2158	2150	_	CPHOS 20
flammation Classification (4)	9	70	_						2			-	7 7
Gene Name (5)					-								
Retains between the state of th	1.149151	1.0776573	1.0481966	1.1168023	0.9649762	0.9765928	_	0.90473366	1.048173	1.1784516	1.5059857	1.0753106	1.1667845
Proliferating cell nuclear antigen pene	0 93714166	1.946179	1.9963094	1.7894177	1.3536216	1.3929266	-	1.6326904	0.47899064	0.46002632	0.7332347	1.1806445	0.6981399
Cytochrome P450 2D18	0 9885009	0.8048045	0.9023001		0.76476064	1.0346377		0.82659084	0.8773213	0.8773213 0.95990473	1.0002953	1.078667	0.8518063
Cytochrome P450 2C11	1.1099948	1 2041823			_	1.001005/	0.0523000	0.7040662	1.1499795	0.94331/35	1.0243144	0.96710545	0.99597365
Phase-1 RCT-290	1 3311437	1 6472455	4 262740B	4 4788424			4 0420000	0.7810003	0.7113605	0.41462/08	1.0875299	1,0048109	1.0602225
Phase-1 RCT-59	1,1171489	1 051592	0 75428957	-	0.76551557	0.8750734	_	0.9070090	0.56/35166	0.707/835	0.8375409	1.171331	0.9258006
Beta-actin, sequence 2	0.97034746	0	+:-	+	1 0093821		-	0.8868564	1 000616	1.0003904	0.900/854		0.98/633
Phase-1 RCT-292	1.0794357			1.1326685	1 1530368	_	0.830/407	0.8824485	0.003010	4 4000796	4 0000503	_	0.99046504
Pyruvate kinase, muscle	1.0255103	0.9978729	0.9510486	0.8413215	1.1242154	_	1.07436	1 0371344	77770780	1 0191628		1 0614388	4 0984738
Osteoactivin	1.1242033	0.9710334	0.8345597	1.0782278	1.168362	1.2889309	1.0545086	1.3016441	1.0436045	1.087628	1 102224	0 9385878	1 0281457
Calgrandin B1	1.1367681	1.049017	1.0216249	1.0071342	1.3007137	1.4891303	1.2590413	1.013599	1.216077	1.000599	0.9325882	1 1128601	1 0726202
Apalipopratein All	1.7778276	1.1358485	1.2525221	0.8341496	1.0258114	1.0280152		0.91918063	0.97805375	0.8881643	0.8840584	1.1803539	1,0616817
Cornexin-32	1,1493793	1.0263118	0.93303144	1.0447824	1.2618375	0.9413737	0.90716755	0.6353489	1.0854123	2.6924303	1,2239293	1.0486752	1.0043887
Phase-1 RC1-109	1.1760856	1.2301499	1.0066521	1.0455092	1.1691853	1.2973969	1.2506782	1.0885146	1.1131849	1.038586	0.707365	1.163463	1.022953
Glycine methyltranslerase	1.212035	1.1284148	1.1744595	1.2875259	1.0426061	1.0499519	1.3136109	1.0460423	1.1597422	1.3797086	3.2440681	1.1938634	1.3246374
L-gulono-gamma-lactone oxidase	1.0424203	1.0930835	1.6085007	1.3140291	1.1569993	1.2539021	1.6513638	1.3744438	0.8179771	0.5681277	0.8412033	_	0.98567826
Phase-1 RCI-256	1.2407776	1.333512	1.1896569	1.2210838	1.2614039	1.0690426	1.3514035		0.88774717	6			0.9426085
Carbonic anhydrase III	1.0927727	0.8995155	2.1884947	0.7704223	0.7025963	1.0275047	0.60138035	1.1335784	1.0108628			1.2970838	1.4890255
Phase-1 RCI-78	1.0483286		1.0708239	1.0255597	1.0231851 0.87800074	0.87800074		-	0.91521424	 -	0.82684636	0.8998479	0.99758
Unitary protein 2 precursor	0.8280381	익	0.9908615	0.9549384	1.0543938	1.3941047	1.4625309	1.5045375	0.88287395	-	0.9897327	•	0.90231204
And enformer actor i	0.88651425	0.7816437	1.0052006	1.0291662	1.2078078	1.3889232	1.4390445	1.2932276	1.193389	1.2277659	0.746145	0.72861236	1.1460044
Phase-1 RCT-185	1.2014228	1.25/98/3	1.5401074	-	0.9696009	1.0853333	1.296542	1.5196141		1.4059364	1.3829734	1,0496972	1.0501949
Collin	0 96173793	2 6	0 87546445	0.8709725	0.00210465	1.0435078	1.2004417	1.0144587		0.74529594	A 11	0.85248053	1.0381277
Stathmin	0.8283637			0.87248353	0.0300400	4-	0.8302773	1.0303445	_	4.0053300	/9/22560	0.8624392	1.044969
60S ribosomal protein LB	0.9862794	0.8509998	_	0.88415784	+	-	٠.	0.9194297	4 0445407		0.6/0/403	1.0233871	1.0455183
Calpactin I heavy chain	1,1515648	1.0861706		1.0292034		-	+	1 084275		0.0720239	0.03146203	0.917/923	1,0076622
Collagen type II	0.99287856	1.1111845	0.8277276	0.8608191	-	٠.	٠.	0 94758147		0.88302805		74662439	1.0003033
Phase-1 RCT-179	0.80528176	0.8416673	0.84694713	0.90748304		1.0118146	-	10120175		_		1 0010384	1.1839/3/
Voltage-dependent anion channel 2 (Vdac2)	1,1358646	0.957106	_	1.0278729	1.2044538	1.1949276	1.1328909	1,1393987			0.87763643	11225487	1 2035258
Phase-1 RCT-192	1.0517389	1.0852984	0.86638644	1.0092735	1.3018557	1,1356978	1.0617926 0.97930634	0.97930634	1.0414662		-	0.97849226	1.0990236
Themselv here to	0.8258902	0.80096287	_	0.7845273	1.1559027	_	0.81142118	_		0.7580513	1.1668199	0.9027349	1.0615385
High affinity foll mounte names chain	1.0114425	0.9842529		0.97533035	1.017989	- 1	1.0070457		_	_	1	1.1145022	1.2015641
(FCERiganima)	0001000	0.8264318	1.1244803	C390/0.1	0.9305428	1.0997562 (0.97643757	1.0102549	0.87346447	0.8896277	0.9763599	0.88368237	1.106633
Gamma-actin, cytoplasmic	0.82630765	0.695773	1.0573562	0.7921193	0.9282278	1.4135207	1.2651992	1.1447126	0.873888	0.92081463	0.6508007	0 8700148	0 0287542
Uncoupling protein 2	1.0299327	0.9485458	0.9616864	1.0083333	1.1621724	1	0.9315023	0 9946378	1_	1 0205239	0.7241208	0.0750171	1 0233486
Phase-1 RCT-34	1.1175959	1.1429194	1.2022213	1.052614	1.250895	1.5820279	1,416841	1,2017016	1.1332252		0 72359747	1 1774309	0 9851753
Phase-1 RCT-31	1.4463298	1.0565658	_	1.1930419	1.2871331	1.4907315	1.6270742	1.9893837	1.1855191		1.0089076	1.001959	1,2668056
Cyclin D1	0.58607014	0.5582302	0.6729055	0.88404185	0.8954247	_	0.7777053	0.8142181	1.4106609	0.89332753	1.389862	-	0.90450794
ige binding protein	1.3287609	1.1711911	1.2024622	1.1438608	\blacksquare	ш	0.9910353	1.098371	0.8796755	1.0254151	1.0188848	_	1.1095983
Zinc niger protein	0.8663756	0.91790426	0.7958351	0.941107	_		0.91917086	1.0496218	0.983519	1.0812854	1	0.8478718	1.0078776
Make thirdia	1.0940216	0.9785694	1.0485007	1.0358986	4		0.92779448	1.0145626	0.91710204	1.0895128	1.0611228	0.8300493	1.0324403
Alpha-pmthamein	0.86222345	0.81802595	0.889751	0.9065345	4	-+	0.82728267	0.5871934			0.81886244	1.1459824	1.0086224
Calpain 2	0.90 100007	0.0013301	1.0214623	1.1052212		_	1.0330721		_	0.64536303	0.6203762	0.8252998	0.9835848
Phase-1 RCT-12	4 0380342	1 02042936	0.88/4923b	0.8616121	_	_	0.9743212		0.94896317		0.93207645	0.9535494	1.011966
Cathepsin B	1 0007767	1 069274	4 ORRRES	1.0016505	1.11015/8	_	1.0437195	0.8413268	1.1386274		1.0244678	1.1829742	1.026609
Phase-1 RCT-24	0.92838645	0.9967684 0.99359137	0.99359137	10015018	丄	1.04/0//0	1.1001062	1.23186	4 2247024		0.84429735	0.7163477	0.9786389
Melanoma-associated antigen ME491	0.9895932	0.87279665 0.82948536 0.92769116	0.82948536	1		-	4	1 0020311	0.8574030	0.6340559		1.2605088	1.075093
			1	_1			_	1.002201.1	0.037 10281		0,916451/5	0.83445647	1.012/674

Dhara 1 Dort as	* 0405044	1011000	,										
Color	0.0754036	4 4497750	1.0027404	0.92813534	0.9344307	1.0766162	0.9868926	0.98654664	1,0344716	1.0300975	1.0448085	1.0561926	1,0736389
Honoradhina airealna atharahachan directana	1	1.1 137/30	1.14TB0004	0.8821067	1.0444382	0.9321075	0.81148905	0.86325526	1.120372	1.307701	1.6372218	1.1674277	1.0168832
esergistentiscoming of sold entre and control of the sold of the s	0.807	0.80430430	0.9609381	0.85926535	0.8918157	0.86518307	1.0298307	0.91702825	0.9183561	0.772777	0.8641161	0.91272867	0.97626865
Tissue inhibitor of metalloproteinases-1	1.3461661	1.3057308	1.0563725	1.0857066	1.0451751	0.978981	0.8826237	0.8989735	0.9473355	0.8955073	1.0427619	1.1461838	1.1971234
	0.97306955	0.99925035	0.9114001	1.0458348	1.0790147	0.85776407	0.9038945	0.7786043	1.4221331	1.3117003	1.2024379	0.980628	0.88279176
Kibosomal protein Sig	1.079867	0.8968208	0.7682277	0.93904227	0.9993905	1.0048178	0.88022584	0.81582993	1.018121	0.75411123	0.99906605	1,1216217	1,1694349
Ribosomal ordain S8	0.00072000	4 0703447	1,3140186	1.0582203	1.6809986	1.3180435	0.9512541	1.0570935	1.1161497	1.3533763	1.5083226	0.9202954	1.2597101
Ribosomal protein S17	1.0857216	0.9459816	1.0104731	0.8323593	1 0005004	1 635313	1.3/62//6	1.2855463	1 0338501	4 OE03848	0.9054608	0.9867952	1.2390474
Nucleoside diphosphate kinase beta isoform	1.2404032	1.0609589	0.9978365	1.0319128	1.0883455	0.860248	0.9533583	0.81024283	0 97880757	0.88193788	0 9694283	1 0120844	1 1983584
Phase-1 RCT-121	0.83271724	0.7945927	0.9014308	0.87944408	0.93116486	0.931588	0.778236	0.8180615	1.0228134	1.2448784	0.93815565	1 0709227	1.0668179
14-3-3 zeta	0.8432838	0.7632357	0.9167296	0.8579238	0.84956574	1,0354699	0.8428983	0.74294716	1.2411304	0.823343	0.7916379	1.1294908	1.1294801
60S ribosomal protein L6 (alternate clone 1)	1.0874768	1.1301306	1.1238925	1.1153653	1.076916	1.1364644	1.1581252	1.1706502	1.0968825	0.9357151	0.83716446	1,019827	1.0911468
Beta-tubulin, class I	1.0384737	0.88355674	1.2325191	1.2749845	1.1082929	1.303133	1.0861418	0.7138693	1.1814804	0.65389615	0.68796015	1.2561872	1.1219414
Organic cation transporter 3	0.8846184	0.8776564	0.8461358	0.90434164	0.82338884	0.8466833	0.8288421	0.91209847	1.0059855	0.92965066	0.8878256	0.92641044	0.9521025
Bezadin	0.8523383	0.60615283	0.78435916	0.78199464	0.6980713	1.1827754	0.81429285	0.72150904	1.3811171	0.9341973	0.72675997	1.255621	0.75133723
Carrepsin S	0.9115765	0.79955226	1.2678462		1.0732069	0.8223536	0.6180137	0.76017064	1.0460138	1.0217098	1.1510904	0.99368554	1,0388556
Disco 1 DCT 464	0.9866/2	0.8304783	1.008118	_	0.99117565	0.91416128	0.72437906	0.7587318	0.881697	0.92032045	1.0000472	1.0752407	1.081202
Phase-1 RCT-293	4 24768	4 4877979	4 4402459	4.86803675	0.95691437	0.9158813	0.9100383	0.9377422	1.0445738	0.8485645	0.97015758	0.97508377	0.98379433
Armevin V	00044600	0.000010	4 0004034	4 0550 403	1.1400901	86000001	1,039077	D.8673234	0.09120333	0.9356375	0.8428922	0.66/03813	1.0890228
Complement factor I (CEI)	4 4058144	4 4405003	1.0061031	1.256642/	1.0384034	2501032	0.7893922	0.826871	1.2057784	1.0499079	1.0097718	0.90212186	0.9733622
Phase-1 RCT-278	0 94202656	0.1433903	0.9003342	1,0145906	1.20/4291	0.97343385	0.9880/144	1.3288581	1.32/7539	1.0661023	~	0.88869846	1.1689799
Tyrosine aminotransferase	1.4782602	1 192839	1 7459675	1 0891822	1 0210773	0.2408487	0 7747647	2 4460882	4 43585	70100000	1.00/0002	0.9000342	0.30020017
Glutathione peroxidase	1 0601014	0.8482026	0.8479081	0 9047897	4 1853274	1 0243394	1 3336024	1 0020597	4 4397538	4 Ennodor	4 3676777	0.00020004	0.000040
Histidine-rich glycoprotein	0.94221663	0.7528121	1.1678214	1.2197388	1.3413714	1.1519202	1 4847784	0 73322654	1 021253	0.5835619	1 4292882	0.75271074	0.053014
Carbonic anhydrase III, sequence 2	0,7203424	0.72897863	1.112851	1.1796547	1.0434724	1.0592614	1.4109083	0.6776881	0.95694953	0.53529257	1 3044713	0.7394772	0 9097453
Phase-1 RCT-92	0.82154614	0.86239034	1.0268801	1.0036021	0.912068	1.0155107	1.2462552	0.91467905	0.8692677	0.72256186	1.2134452	0.85338575	0.93381244
Transitional endoplasmic reticulum ATPase	0.9198292	0.7603732	0.8057104	0.9861389	0.7542841	0.6977691	0.7633063	0.74097496	0.9095313	0.86341304	0.9474051	0.9008811	0.8733001
Prese-1 RCI-88	0.7974189	0.8107174	1.032673	1.0829074	0.9739386	0.9719857	1.1452212	0.8539958	0.9125274	0.7538893	1.1500812	0.8611348	0.9429947
Prase-1 RCI-236	0.83899456	0.7592641	0.5738187	0.62815785	0.80754163	0.93134356	1.1530658	1.0242623	0.9506846	1.030126	1.29638	0.6580084	1.0342294
Cidathon Chambano thee 4	0.9905848	0.9778108	1.0668776	0.9084509	0.8781754	1.0168979	0.93084586	0.98009664	0.99134296	0.4464904	1,2786691	1.3184544	1.1062529
Dissa, 1 PCT, 468	7,002,420,07	0.913502	0.97896/88	1.0262979	0.87899417	0.68082106	0.8649103	0.7386033	1.063044	0.57518154	0.742129	1.3050172	1.0518357
Phase-1 RCT-182	1,0320381	0.83722419	1 1453551	0.89533390	0.8300931	1 111889	0.9/0/628	0.9416988	0.95938387	1.01/0912	0.9320199	0.9176019	0.85805744
JNK1 stress activated protein lánase	1.1040957	1.2033893	1.5390178	1.4406097	0.9046421	1.0180285	1.1635323	1.1550738	1.218076	1.0832772	1.3586513	1 1547185	1 0531117
Phase-1 RCT-81	1.2808901	0.9992294	1.0518415	0.933387	1.0306301	0.95928484	1,0236173	1.0924891	0.9792534	0.908452	0 90817595	0 90362304	0 8092125
Phase-1 RCT-33	1.0312929	1.1231512	1.0037721	1.0676316	1,2376853	1.1003577	1,3398391	0.85803868	0.9036369	0.7825428	0,5991853	0.7894226	0.8703879
Phase-1 RCT-178	0.7637366	0.78128105	0.6449069	0.70181596	0.47209433	1.0043938	0.8866891	0.84276223	0.9555103	0.77312875	1.4246247	1.3438107	0.79350674
Apolipoprotein Cill	0.8842183	0.78328866	1.0141903	0.9164869	0.7260012	0.73658746	0.85180676	0.92862475	0.97832644	0.6933701	0.93715113	0.88615604	0.9071874
NAME Advisor De meludaco	4 2047050	1.0189484	1,312/183	1.0088943	1.3378121	0.92722815	1.027321	1.0336976	0.8899492	1.040548	0.94693017	0.956545	1.0840755
Alnha 1 - Inhibitor III	0.0753707	0.0414662	0.07024676	1.0141003	1.3339842	0.83/253/	1,000,000	0.8461232	0.6405/81	0.78551774	0.9881854	0.78171396	0.9038838
Prase-1 RCT-233	0.94999895	1 2541085	1 2895048	1 0728364	0.0287879	0.0233000	4 0015120	1.2/00999	0.69308984	0.0834954	0.175/46/6	0.7264331	0.7151610
Paraoxonase 1	0.9257082	0.8086424	0.9410453	1.0143371	0.9137919	1 0672224	1 4343208	1 6888217	1 032124	1 0188824	1 4662071	0 8230721	0.95541716
Presentin-1	1.1686412	0.92589915	1.0375314	0.98489016	┺-	+	0.95221778	1,3341583	0.6992565	0.88272125	0.7827065	0.73735243	0 71904445
Apolipoprotein C1	1.3660082	1.128233	1.2010529	1.1213264	0.7563356	23	0.9384623	0.9418523	0.94070363	0.9262682	1.0739247	0.89772105	0.815743
Cytochrome P450 2C23	1.0763364	0.78978556	1.0262516	0.97521704	1.146323	1.0035026	0.84478855	1.0660838	1.0574307	1.1282346	1.1465652	0.8097371	1.1567591
Phase-1 RCT-227	1.2002728	0.822794	1.7778434	0.99028	0.994734	1,4171139	1.2272813	1.4298489	0.8544015	0.75575125	0.8849203	0.87077606	1.175167
Hepatic lipase	0.9201563	0.71722263	0.79661226	=	0.70732707	101	0.83259233	0.8708179	0.9040675	0.79831	0.73218507	0.8299894	1.2311554
Mase-1 RCI-164	0.9174798	0.8840923	1.0004438	0.87798387	0.85156673	0.8560562	0.9055933	0.7644439	1.4428737	0.8737698	0.92706025	0.9083982	0.9038491
Mudding resistant protein-2	0.8323587	0.88363004	0.6773307	0.856035	0.8304552	1.040785	0.8804286	0.99938333	1.023925	1.128672	1.3552914	1.1173137	0.97414875
insuar-Hike grown ractor I, exon 6	민	0.8084049	0.8523994	1.0844959	1.5016441	1.6908125	2.286622	_	1.0919908	1.5580198	0.72660536	0.8712907	0.97296035
N-Hydroxy-z-acetylaminontorene sutrouzhsterase (STIC1)	0.90999913	0.8320577	1.1053389	0.9853115	0.8514848	1.8389548	1.6019073	1.7789648	0.98138425	0.61500823	1.2647359	0.8115046	1.2367915
Dynamin-1 (D100)	1.0276473	1.2025849	1.2312182	1.1141444	1.0117599	0.9570632	1.0458424	1.0423245	0.98050725	0.8392251	0.90188473	1.0454576	1.0893102
DNA polymerase beta	0.85654384	0.05113975	1.0159286	1,016863	1.0287015	-	0.97429967	1.0313795	0.9656734	0.7708165	0.9134087	0.85219574	0.9706627

Phase-1 RCT-173	0.8587228	4 2023745	0 0004446	0.0000000	4 402040	00007000							
Ubiquitin conjugating enzyme (RAD 6 homologue)	1.0132788	0.908407	0.8161327	0.92129195	1.0369884	1.0264703	0.9279189	0.89549985	1.1445509	0.701234487	1.0203898	1.236/823	9 7943306
Discontinuity of the Australia	000000	_					-						200
Photo 4 DCT 444	1.0959662		0.9600459	1.0376356	1.1930791	1.3920814	-	_	1.2496665	1.0832107	0.6488808	1.2529446	1.1315937
C-H-Cat	1 0002757	0.90127677	0.8709105	0.918478	0.800933	0.7581425	. 1	\rightarrow	0.96920896	0.97973406	0.83562547	0.98859054	0.91909987
Vestgilar monoamine transporter (VMAT)	1338767	4 2545634	4 245 5040	0.9400022	0.0980000	-1-	1.0602/63	0.9/41919	1.1196587	1.0130132	0.8911635	1.0625625	0.9765399
Phase 1 RCT 273	4 0542479	1.6064047	4 0545700	1.14/920/	1.13975/4		0.89850086	0.8845101	0.8918481	1.3143497	1.0423783	1.086151	1.077649
Phase-1 RCT-230	1 0771130	4 053780E	4 06/6040	0.3440.256	1.13.298	1.292/268	1.1249944	_	3.2679136	1.2128037	1.0854512	1.0903808	1.158474
Phase-1 RCT-74	1 0833321	1 0055734	0 0514165	0.979133	1,131341	1.330/012	_	=+-	0.85/61225	1.151/332	0.88856127	1,117,1075	1.0580235
Phase-1 RCT-80	1.0078875	1.3588861	0.8955589	0 9363434	0 9564724	1 1040113	1 0670868	1 0386185	0.628300//	1.13/0/16	1.0046506	4 0500000	4 40505326
Phase-1 RCT-158	0.91571325	1.0091028	27691846	0.93960166	+-	0.89268124		_	0.020313	1 0389700	1 0430134	1.0000203	0.0430073
Deoxycytidine kinase	0.67794263	1.0698297	0.9170802	0.9789957	-	-	-	1 0484838	1 0240314	1 4517104	1 2785332	7000000	0.0450742
Inositol polyphosphate multikinase (Ipmk)0	1.1212322	1.0150019	1.0197037	0.9518663	1.0131873	-	1,1883491	1.2690058	0.9269028	1 1136956	1 0292492	1 023167	1 2436676
Neuronal cell adhesion molecule (NrCAM)	1.080072	1,0439286	0.9761028	0.91398114	0.9710969	1.1451086	1.0547122	+-	0 91055846	1 1518128	0.94078165	1 1157717	1 2084076
Hepatocyte growth factor receptor	1.0331222	0.98801917	0.93896395	0.96486044	1.0513182	1 2442256	1.0406326		1 0848404		1 182307	1 0434844	1 0010101
Empty	0.9476206	1.0778685	0.77443355	2	0.92562765	0.7408768	0.6183052	-	0.75599045	1 2273412	1.0227839	1 1774741	0.96138024
Doparnine receptor D2	1.0943636	1.0532422	1.2075753	1.1095395	1.0013114	1.0251024	1.2536986	-	1.0130244	0.9753838	0.98489636	-	0.96631557
Phase-1 RCT-51	1.0915669	1.1180296	1.0837897	1.0718944	1.03217	1.1632483	1.0971383	1.15836	1.0026375	╌	1.1208105		1,1001159
Four repeat ion channel	1.0070904	1.066033	1.0010155	0.98819673	1.0483146	1.0233454	1.0463539	1.0290965	0.88498795	1.1051954	0.99643046	0.9538825	0.99567795
Adrenamedullin	1.0425404	1.1009158	0.77226335	0.8235152	0.9992268	0.82889634	0.72838354	0.8106758	0.76733565	1,3415383	1.0004045	1.1629922	1.0692714
Caveolin-3	0.84518766	1.0400517	0.9715819	0.94638735	0.945614	1.0240574	1,036203	1.0056117	0.8462945	1.0695298	0.9860757	0.9742462	0 9987701
Phase-1 RCT-129	0.964761	1.009353	_	0.95267856	0.9416374	1.085347	1.0948735	1.0211821	0.90337807	1.1472322	٠.	0.99864304	1.0585586
Phase-1 RCT-94	0.9144707	1.0913103	0.9441234	1.0163525	1.00221	0.89265233	1.0446488	0.965924	1.0272152	1,0482861		0.9300161	0.8106534
Sarcoplasmic reticutum calcium ATPase	1.2081785	1.1811261	1,2784787	1.1232985	1,125141	-	0.97557807	1,3062958	1,2591586	1.276561	1.1629725	1.2539784	0.9953642
Prize-I RCI-/9	1.0593317	0.96503055	1.0272384	0.9583048	1.0523502	1.2188888	1,2333158	1.0555556	0.9296273	1.1325424	0.9751518	1.0436707	1,0398625
Phase 1 Port 164	1.0387315	1.0934927	-	1.1422117	8	ত	1.3048832	1.5548098	8	0.9239821	1.1529491	0.97985198	1,0199336
Phase 1 PCT 70	4 94062500	4 0064407	-	0.93827003	_	-	0.93199486	0.8822176	8	0.97801346	0.99344444	0.8644511	1.024739
Phase-1 RCT-150	1 3600816	10408052	4 0435030	1.0071034	1.029/68	1.1322354	1.0785178	1.0523627	1.0008053	1.2925088	0.97390664		0.9683066
25-hydroxyvitamin D3-1 alpha-hydroxylase	1 0408454	1 0713623	3 8	0 0	0.04060463	o g	0.962/1014	0.70077547	1.1398091	1.1858135	1.0500845	1.1672313	0.99238414
Phase-1 RCT-119	1.0239661	1.2277719	-	_	┷-	1.2987026		1 1280165	1.0480802	1 0612222	1 1417114	1.024396	1 0218081
Peroxisomal 3-ketoacyl-CoA thiolase 2	1.0540267	1.3343302	1.3191373	1.1577529	1.1085694	0.8900609	-	0.88041055	1.1045488	1.0387013	0.6917669	1 1065443	1 0443205
Phase-1 RCT-146	0.9013935	0.96782637	0.851919	0.907967	0.95854896	-	-	0.8556292	0.89946043	1.0923298	0 9932351	1 0318807	1 0243378
Supercode dismutase Mn	1.2435799	1.3342232	1.3467083	1,4091574	1.118982	1.1626866	1.0303702	0.8534278	1.0475384	0.84432054	0.8337688	1.2042323	1,1872635
Phase-1 RCI-115	1.0519744	0.98213583	1.1112015	_	_	1,3871518	1.2711755	1.0045019	1.0314493	1.1318798	0.96017456	1.3004898	1.1532124
Alpha-1 microgiobulir/bikunin precursor (Ambp)	1.24618	0.9630785	1.0875732	0.8366026	0.98878133	0.91699976	1.025451	1.1161635	1.0172961	0.5992527	0.80859494	0.75506663	0.9001037
Phase-1 RCT-18	0.90045977	1.0017498	1.0101657	0.9975216	0.90536875	1.0199051	1.0365213	1.0213221	0.9236123	0.9780891	0.9973572	0.9180121	0.984122
Maspin	1.0129534	1.1418403	0.9272678	0.96889013	1.0573543	0.84919596	0.93039036	1.2125725	0.84383523	1.2897073	1.0181806	+-	0.98074883
Decorin	1.0669914	1.4165521	1.3974947	1.1074705	1.2703869	1.0945175	0.9872753	1.1662391	0.9199279	1.1281644	0.9572065	1.4720458	1.0651525
Retiroid X receptor alpha	1.2637656	1.3704399	0.97650635	1.0459572	1.2074845	0.7464412	0.71141108	0.66256434	1.0370606	1.2014433	1,0429696	1.2429079	0.9729519
NAPOLI (CNBP)	0.87954795	0.9361021	1.0493834	1.115395	0.8949503	0.9501398	_	0.8961017	0.9713639	1	0.67222655	0.9947189	0.91771066
Main control indicated by a contraction of the cont	1.3236212	1.3749297	1.1006472	1.0814628	1.2047969	1.0915987	0.9392603	0.8822643	1.1091412	_	1.1298392	1.2260795	1,0694501
Casnase 1	0.71050526	0.7424376	0.90969285	1.0353626	1.0365835	0.7565634	0.810519	0.6792584	0.7851629	-	0.84859574	-	1.051407
Cystatin C	1.1224916	1 1194959	+	+-	٠.	4 2707/03	4 2489629	1 70706426	0.9150481	1.0413615		3	0.91262376
psscoc	0.8761545	1.021652	0.862381	-	0.0011040	1 2887709	0.829361	-	0.8711401	1.1003032	0.9417244	1 0035704	1,0226/97
Poly(ADP-ribose) polymerase	1.0168998	0.8603865	100	0.93310314	0.8862852	-	0.84595567		-	0.88551088	1.069943	1.0325987	0.951148
Tissue plasminogen activator	0.9035504	0.97592455	1.0099232	1.0170149	1.028418	1.2411344	1.183396	+-	+-	0.8347132	+-	0.85392755	0.8831994
Multidrug resistant protein-1	0.78095967	0.7335182	~	0.95580494	0.9530794	0.9020272	0.8103981	0.879083	1.0699143	0.9468519	_	1,0609937	0.9791863
Phase-1 RCT-207	0.99505174	1.0950443	0.832097	-	0.83791417	F	0.94826883 (0.85478115	1.0504447	12	0.81513846	1.1363107	0.9121698
Phase-1 RCT-181	1.1183282	0.9853407	1.0283523	0.8937835	_	0.74691975	-	0.86352587	1.1326659	1,390284	1.0446703	1.1267475	0,9949127
Gap junction memorane channel protein beta 1 (Gib1)	2.0363147	1.8287897	1.3195909	1.5151329	2.101717	1.4025865	1.4358855	1.2624295	1.2122568	3.3878913	1.4796648	1.3547949	1.0688583
Aquaporin-3 (AQP3)	0.9222493	0.98037523	1.0281225	0.9805326	0.95660853	0.95210004	1.0134764	1.0130141	0 9842802	0 9481025	0 9807515	0 97893304	0 04407753
Myelin basic protein	1.2455431	1,1029947	0.8662174	-	_	-	+	0.77050438	1.012413	1.1595284			0.8862512
Calgrandin B3	0.94534683	0.9125257	0.87284064	0.98927265	0.83558315	0.9369665	0.89416518	0.85751146		-	0.88079983	0.9256769	0.9512628
												V	V.00.

28 alpha 0.90299458 0.7876625 1.0407864 0.9605569 0.64122705 0.99601754 1.0724782 1.024472 1.0201479 Atab for 72 hour timepoint n ratio of reamen/control n ratio of veamen/control n ratio of veamen/control n ratio of veamen/control n ratio of veamen/control Nes abbreviations as in umber of cassification for compound street, inframmation observed; inframmation observed; observed; observed; observed; observed n ratio of veamen street, observed; observed n ratio of veamen street, observed; observed	Phase-1 RCT-156	0.092625	0.8158907	0.9542208	38218457	0.9307423	86933446	0 8841302	0.8092844	1 4852364	4 6267042	1.0070610	0,000,00	4 0500007
obirt n n n n n n n n n n n n n n n n n n	Proteasome activator 28 alpha	0.90289458	0.7976625	1.0407864	0.9806569	0.84122705	99901754	1.0792819	1.0214782	1 0192442	0 9091019	1 0745408	1.026231	1.0000001
(1) Gene expression data for 72 haur timepoint are presented as mean ratio of rearment/control for all 72 hour tensor (Table 22). (2) Compound and dose abbreviations as in Table 1. (3) Individual aminal number (4) Live inflammation dose agroup at 72 it year-dost shadend dose group at 72 it year-dost shadend. (5) Individual aminal number (6) Live inflammation observed; (7) For pour desire doss with inflammation observed; (8) For distributions with inflammation observed; (9) For distributions are rearred as and as being a factor of the formation of the formation observed; (1) For distributions are rearred as and as factor of the formation of the formation of the formation observed; (1) For distributions are rearred as and as factor of the formation of the form					-	_	-				2		200000	0.0000004
tor all 72 hour predictive genes (Table 23). (2) Compound and dose abbreviations as in Table 1. (3) Individual annimal number. (4) Under Inflammation destriction for compound dose group at 72 ft yes-next, necrosis observed; yes-both, necrosis with inflammation observed; yes-both, necrosis with inflammation observed. (5) Predictive gene et as in Table 23 and as behavior of the productive gene (as in Table 23 and as behavior of the productive gene (as in Table 23 and as behavior of the productive gene (as in Table 23 and as behavior of the productive gene (as in Table 23 and as behavior of the productive general transfer of the product	(1) Gene expression data for 72 hour timepoint are presented as mean ratio of treatment/control													
(2) Compound and dose abbreviations as in Table 1. (3) Individual animal number (4) Liver inflammation dessification for compound dose group at 72 it. yes-nect, necrosis observed; yes-both, necrosis with Inflammation observed; me, no histopathalogy observed; or no histopathalogy observed; (5) Predictive gene (as in Table 23 and as histopathalogy and as histopathalogy observed.	for all 72 hour predictive genes (Table 29).										·			
(3) Individual animal number (4) Live inflammation dessification for compound (4) Live inflammation dessification for compound (4) Live inflammation dessification for compound (5) Each increase with Inflammation observed; (7) Inchesion in the state of the inflammation observed; (8) Predictive goals are less in Table 23 and as	(2) Compound and dose abbreviations as in Table 1.							-						
(4) Liver fullammation classification for compound does group at 72 it yes-next, necrosis observed; yes-both, necrosis with Inflammation observed; no, no histopathology observed on the full of the full observed of the f	(3) Individual animal number			-						+	Ī		1	T
yes-both, necrosis with inflammation observed; no, no histopathology observed (5) Predictive gene (as in Table 23 and as head of the control	(4) Liver inflammation classification for compound dose group at 72 h; yes-ned, necrosis observed:													
(5) Predictive growing and as hot large and as	yes-both, necrosis with inflammation observed;					,								
(c) Predictive gene (as in Table 23 and as	noa noon (filonoadmon) (au													
(oz ana i i ana oz	(5) Predictive gene (as in Table 23 and as included in Table 26)						-		-					

Table 30. Expression Data for 72 Hour Timepoint (1)													
	П	П	П	П	٦	T	П						
		_			_			DEX 38					DEX 8
Animal Number (3)	2149	427	428	429	437	438	439	1357	1358	1359	1347	1348	1349
Liver Toxicity Inflammation Classification (4)	8	٤	9	2	٤	2	2	9	90	01	9	2	8
Gene Name (5)													
Phase-1 RCT-107	1.1292918	1.2788833	-	0.88051426	0.7745631	0.67093587	0.7180358	1.6642781	0.98609886	1.0990493	1.8462869	1.017612	0.9748602
Belaine homocysteine methyltransferase (BHMT)	0.95912504	2.0977316	2.4765644	1.7445312	1.4458791	0.36728206	0.6143343	1,2194722	1,5423923	1.8711014	3.0408347	1.2547274	0.9790118
Promisianng cell nuclear artigen gene	0.99/3624	0.8131774	0.8131774 0.57554835	0.8527367	1.0411046	1.0241978	1.1028612	0.98596	1.0901912	0.9754206	1.0387689	0.8920989	1.1078373
Cyrocinome Paso 2018	1.046/342	1.1745298	1.035/163	1.1005872	1.0345931	0.9770908	0.9431716	1.2109227	1.1797054	1,3896873	1.147087	1.0238819	0.979142
Cytocarome P450 2C11	1.306577	0.90301853	0.6965876	0.9798612	0.94435984	1.1869307	1.2080069	1.1368362	1.3866265	1.1749051	1.2747794	1.1837368	1.2648478
Prase-1 RCI-280	0.9913524	1.4556903	1.5006878	1.4937136	1.1815686	-	0.673233	1.2550104	1.4882594	1,8421942	2.542163	_	0.9801048
Present CCI-58	1.0255/75	0.65160054	=1	0.84830046	0.94892514	_	0.96295273	1.1070546	1.0090154		1.1472719		0.86712307
Beta-actin, sequence 2	0.9264483	0.9061514	-	0.98615485	1.267696	1.3844415	1.1149783	1.0069482	1.0427792	\rightarrow	0.94352484	0.96918654	0.92288953
Phase-1 RCI-292	0.9543792	0.84769714	0.8708079	0.9545222	0.9684958	0.9395645	1.0116643	0.8749687	1.0768162	1.096095	1.0346955	1.0258346	1.0117143
Pyrivate kirase, muscle	0.8798138	1.0857997	0.97536916	1.2616954	0.8947152	1.3422297	1.1754122	1.329256	0.9634752	0.94675034	1.2388217	1.1138034	1.0995954
Osteoactivin	1.0240222	0.896871	0.864158	0.9913611	0.8853764	1.1373097	-	0.8681322	1.1418818	1.168433	0.8926441	1.0287001	1.0302615
Calgranuin B1	1.0272896	1.3868315	0.93983585	1.3432729	1,0266143	1.4195893		0.9609213	1.0525991	1.0325742	1.1168119	1,05318	1.0598507
Apolipoprotein All	0.9664375	1.630234	1.2929926	1.4360539	1.2098233	1.1408312		0.49113858	0.727478	0.7857571	0.41981146	0.8030411	0.78800595
Cornexin-32	1.2281916	1.1302176	1.1302176 0.89736706		- 1.0058435	1.1434522	1.2017082	1.1291152	0.89975476	1,0500863	0.77431685	0.85564125	1.049793
Phase-1 RCT-109	0.92698926	1.2158397	1.1518681	1.1532438	1.2002677	1.4095066	1.1299595	1.0810713	1,0056187	0.992094		0.9463994	0.8937542
Glydne methyltransferase	1.4996918	1.357226	1.5469682		0.77543145	0.54866797	0.6512998	1.7141715	1.0052238	1.1235883	1.9821277	1.0131313	0.9429279
L-gulono-gamma-lactone oxidase	1.0270665	1,533,1869	1.2854646	1.0644956	0.887273	0.4414875	0.577064	1.0502738	0.8930921	0.88460046	0.8648169	1.1773311	0.9862472
Phase-1 RCT-256	0.89068687	1.4777024	1.5087241	1.175517	0.97128594		0.90594685 0.96911114	0.96911114	1.0924357	1.1566902	1.0526427	1.0725857	0.95229965
Carbonic enhydrase III	2,019183	0.66143453	0.6981112	0.7176741	0.4268322	_	0.54430264	0.09341524	0.56524897	_	0.25568482	-	1.157852
Phase-1 RCT-78	0.8054032	1.144422	1,0361567	1.0926943	0.8570016 0.94274217	_	_	0.8838849	1,2335231		1.1179467	0.9762253	1.0785503
Urtnary protein 2 precursor	1,0929203	0.9544224	1,2323565	0.9308765	0.90156496	1	0.58815217	0.6549297	0.690665		0.51927906	0.8298688	0.6780174
Insulin-like growth factor I	1.110507	1.0465671	1.523598	1.1217859	0.7659172	Ī	0.75548228 0.71141018	0.71141018	0.7802773		0.73003185 0.88031685		0.95693487
Anyl sulfotransferase	1.1155748	1.3958911	1.2748202	0.7848816	0.7848816 0.79904664	0.4504266	0.7966222		0.8192193	0.83287024	2,3396354	1.0480871	0.7816612
Phase-1 RCT-185	1.1620284	1.0868282			0.87871456	0.7899987			0.99698275	0.9226982	0.7509248	0.9032354	0.8856058
Conlin	0.9616403	1.0193903	-+	0.94967043	1.143015	0.8164281	_	0.99991524	1.1241914	1.0590024	1.0057212		0.83604306
Stathmin	1.0344216	0.7232014	0.6512495	0.8213362	1.0253643	12221406	1.0995694	1.0461903	1.0661529	1,0303411		_	0.99600285
605 ribosomal protein LB	0.93184716	0.8593333	1.0840175	0.9726762	1.2178493	1.1998192	1.0070952	1.0975139	0.8908617	0.890112	1.0984703	0.93526274	1.0054346
Calpactin I heavy chain	0.9659106	0.9420722	0.8040061	1.1129271	1.0056458	12509696	1.1621914	1.0293918	1.2262301	1.2713994	1.1356795	1,1089665	1.0574887
Collagen type II	0.79779625	0.79779625 0.97475165	1.1707809	1.2646807	1.267839		1.4139172	1.3099663	0.9814044	1.1687099	0.9738999	1.0804911	1.0324546
Phase-1 RCI-179	0.8731843	0.79567343	1.0344636	1.0024524	1.0044488	_	0.82875156	0.9164758	0.94214714		0.88597365	0.8496479	0.9005984
Votrage-dependent arron channel 2 (Vdacz)	1.0022452	1.172515	1.1763374	1.1192122	1.2327982	1.0904815	0.9222117	1.0473233	1.1205373	1.0470667	1.1357812	-	1.0548445
Adopte purionitide franciscosts	1.0780498	1.0025299	_	0.0984779	1.0606666	1.0427132	_	0.8946574	0.9956306	1.0145988	0.9854716		0.96794146
Thursday hete 10	0 07706146	1.110117	1.1152223	0.96000354	1.0/34262	0.7602497	_	0.9/9/4426	1.0569977	0.905-3068	1.0871047	-	0.99341077
High affinity log receptor damma chain	0 93614626	0.8659391	0.8138248	0.0000	1 0434533	1.1044214	0.0441022	0.8054977	1 0533477	0.632402	1./925421	0.9776541	0.821438
(FcERigamma)						3		700000			2000		+070 1000 n
Gamma-actin, cytoplasmic	0.971497	0.971497 0.95438474	1.0900418	0.9570841	1,1188185	1.0087211	0.9547366	1.0866205 0.94462264	0.94462264	0.9177748	0.8829677	0.95071258	0.95481473
Uncoupling protein 2	0.8813807	0.7818076		1.0237813	1.2744315	1.451889	1,2299707		0.78387304	0.8754012	_	0.93016154	0.8995098
Phase-1 RCT-34	1.082406	0.9764898	-	0.92537147	1.3215144	1,2019861	1.1247215	0.814364	1.0277296	0.9765328	0.9641479	1.0182736	1.1162993
Phase-1 RCT-31	0.97793885	1.138079	1,2294436	0.9420427	1.0614245	0.7013858		1.1968175	1.2424989	1.1808805			0.97894377
Cyclin D1	1.4580586	0.87749153	0.6370017	0.9652214	1.3900472	-	_	0.85768497	0.7522711	0.7401671	1.0217454	0.88741475	0.99298465
IgE binding protein	0.898968	1.0249646		0.9590459	1.0058296		_	1.0961411	0.9631939	1.0521382	1.0393801	_	0.9747619
Cinc tinger protein	1.0913663	0.6482025	_	0.83524406	0.88714504			0.91228855			_	_	0.93510765
Make the dis	0.30003330	0.8074239	-	0.9243/803	1.0114303	1.184448	-	_	-	o t	0.93994685	0.9819252	0.9553008
Alphanothanoela	1.326019	1.328019 0.690/162/	1.0392317	1.0518792	٠.	0.9929797	0.9883693		0.85879093	0.82721	1.2509701	-	1.0029331
Calcain 2	0.000/452	0.003/43Z	1,130/00/	4 0448600	1.1002/3/	4.0464624	4 007/249	1.2200009	1.102349	1.1969184	יויונוסבר	1.123350	0.95124245
Phase-1 RCT-12	1 0084231		0.8707415		1 0085786	1 0480748	0.0357340	4 4762588	0.0582873	949901978	1 2260688	0.000000	0.0872074
Cathepsin B	0.8533288	1,22,10201	1 268 1804	1 0F985R3	1 0121799	1 1136122	1 1312598			1 0458587		1 0225977	1 0820252
Phase-1 RCT-24	1.2692897	0.8441142	0.9002981	1,1313798	1 2823185	1.0934291	10175707	_		0 95900553		0 99309105	1 0692143
Melanoma-associated antigen ME491	0.8913714	0.8381214 0,75007546	0 75007546	-	0.91743124	0.9168849	:1ळ	0.99296284		1.042141		0.95923734	1 1246430
				-1		1		1. 200 000 000	1.22.22	1.1.4		0.000000	1, 16707001

Physe-1 RCT-68	10158757	1 068038	0.8848822	1 0406690	0 0745505	+ 0424042	100001000	4 4047007	4 2070070	4 400004	4 POTEOR	4 0440500	1 0020011
Cyclin G	1.1006051	0.89971274	0.84309865	١.,	0.96330285	1,0665531	1.1550485	1.094051	1.658453	1.1310518	1.1912881	1.257428	1.2287412
Hypoxanthine-guanine phosphoribosyluansferase	1.0773463	1.0449746	1,3379214	-	1,2669691	0.822448	1.0284543	1.2086903	0.9485482	1.0078133	+	0.91602635	0.85722276
Tissue inhibitor of metalloproteinases-1	1.018447	1.0979167	1.010369	1.0804334	1.2453914	1.3392295	1.1421157	1.1728779	1.1018192	1.1728346	1.0646641	1.0104572	1,0858451
	1.3193542	0.8875812	0.89053833	-	1.0564907	1.082817	1.0480347	0.9654851	0.9870556	0.99280846		0.97694298	1.0167462
Hippomai protein 59	1.1624703	0.98141515	1.2308806	1.0536163	0.97900873	1.0866119	1,0812929	0.897826	1.0156658	0.9403741	-+-	0.86572003	0.9444869
Ribosomal protein S8	0.8825999	1.1456728	13415077	ক্ত	0 96948004	1 0000369	0.8479376	0.7852554	0.9040608	0.8034142	1 4544633	0.87413803	0 0208201
Ribosomal protein S17	1.1196235	0.9958784	1.1306316	-	0.8872283	1.0195711	0.7829655	0.8921167	1.0060154	1,0240529		0.9665769	0.9923112
Nucleoside diphosphate kinase beta isoform	1.212573	1.1886274	1.2065467	1.1322058	1.2684265	1.0795428	0.9675254	1.0142729	1.0003064	1.1544698	1.1175275	1,00193	1.0749851
Phase-1 RCT-121	0.9305875	0.6176245	0.7379192	0.9220102	1.0875999	1.0572119	0.8022444	1.0610038	0.8964883	0.884018	0.9207063	0.9029191	0.89264303
14-3-3 zeta	1.0093846	0.8631851	0.78354836	1.0484487	1.2461547	1.0916127	1.09253	1.0034224	1.0543782	0.99403656	1.0484194	1.0651486	1.1293201
60S ribosomal protein L6 (alternate clone 1)	0.8667322	1,2152544	1.3048285	1.0806589	1.1568438		0.93934214	1.3305948	1.0252354	1.0467294	1.5725636	0.9921544	1.0438359
Beta-tubulin, dass I	1 22554	0.9271002	0.89248276	1.1768804	1.0840712	0.8472833	0.7209882	1.1507015	0.962209	0.8776367	\rightarrow	0.9808783	0.90513545
Organic cation transporter 3	0.95616996	0.7662027		0.9413177	1.2675036	12486745	1.0268716	0.97003144	0.8751704	0.88489497	尀	0.86014926	0.9084478
Bera-actin	1.1514144	0.85/1941		0.89692354	0.9976649	1.1260333	0.8719199	1.3548365	0.8511382		0.8649273	0.980727	1.063862
Camedian S	1.0051111	1.110/189	0.7670533	0.9894539	1.0458715	1.5310528	1.141958	0.7020939	0.79218763	-	0.79451656	0.7615979	0.9903437
Diliverdin reduciase	1.0037645	1.0003603	0.66200805	1.0336281	1.1076303	1.1471075	1.1112258	1.3207167	1.1707364	2.2456784	1.0223019	1.111059	1.1155549
Phase 1 RCT 293	0.8349173	0.073484	0.5/31989	1.0326418	1.0822689	1.0178943	1.0355182	1.0736246	1.025/508	1.0624061	1.0380309	1.0440187	0.9824767
Amerin V	1 0707493	0 RR20123	0.84534186	1 034034	2 0	02002021	4 1740338	0.13042234	1.027033		+	0.801233	4 0000678
Comdement factor I (CFI)	0.9125908	1 3519135	1 3253828	1 0084432	-	1 8181467	1 11549330	0.93327373	1 0053763	+	+-	0.91700437	1.0808320 4 4066073
Phase-1 RCT-276	1.1143249	1.1285628	1.0717785	0.9242676	1 0987214	0.8127123	0 7619068	1 1928617	1 1337785	_		0.9233324	0.8779828
Tyrosine aminotransferase	0.971251	1.2717332	1.1313412	1.0522158	0.8879897	0.605521	0.8424976	0.47819513	1.0764493	1.1875336	0.7350773	0.7899496	0.96904016
Glutathione peroxidase	0.93448275	1.1657331	1 2956789	1.1319427	1=	0.95585378	1.169736	0.5748718	1.0694077	-	0.57907178	1 0062976	1 109091
Histidina-rich glycoprotein	0.8159991	0.8281776	+	0.77730817	_	Ø	0.60841036	1.9585618	0.9444841	+-	-	0.83442056	1.1259401
Carbonic anhydrase III, sequence 2	0.7685332	0.8248482	1,5012692	0.7288494	0.60597277	0.75796914	0.62627834	1.7574067	0.88443315	1.1209654	0.8479332	0.77929574	1.0817102
Phase-1 RCT-92	0.8664479	0.9783552	_	-	4	\rightarrow	0.7067069	1.7946904	0.9184125	-	_	0,97888637	1.061008
Transitional endoplasmic reticulum ATPase	0.09980205	0.7335654	_	-	L	-+	0.86567795	1.0197226	0.9874164	_		0.8905506	1.0121182
Prase-1 KCI-68	0.82412606	0.80915/43	→-	0.78851964	-	0.80174804	0.725995	1.9175085	0.86117506	1.136716	_	0.82389176	1.0985646
Dhare 4 DCT 484	1.0410003	1.3423196	-	0.80465	-	-	1.2643/65	0.50897/4	1.144042	0.96/03386	0.3655208	0.8891394	0.8905132
Gutathione S-transferase theta-1	1 1374201	1 0194448	1 2877840	4 3430678	1 141000B	0.62739235	0.68218356 4 448068	0.7442029	1.0231028	1.0540721	0.7784036	0.9756756	1.1021847
Phase-1 RCT-168	1.0171533	1.019508	0.8728044	1.1750945		1.1084851	1 1714007	1 0055807	1 0708591	0.9864038	+-	0.83909103	0.9732165
Phase-1 RCT-182	0.91815954	1.1074648	12785748	0.9364985	0.8138862	0.8081943	0.8386164	0.95551234	0.9638428	0.91988966	1.0043747	0.891598	1.0088597
JNK1 stress activated protein kinase	1.0829595	1.2980233	1,2216706	0.79178333	0.85526884	0.51815385	0.86603546	1.9482772	0.8933059	0.83797846	2.2034755	1.1260844	0.886892
Phase-1 RCT-81	0.89949954	1.0374745	0.9996448	1.0707949	0.88331187	0.88841987	0.8668365	0.87847906	1.0460094	0.9340932	0.99323606	0.94493484	1.0537293
Phase-1 RCT-33	0.76480794	1.3823099	1.0233452			1.3924003	1.1889304	1.1979105	1.0895994	1.0196495	-	0.99305344	1.0277511
Prase-1 RCI-1/8	1.0773036	0.74984795	0.8324997	-	-	_	0.7859582	1.0232288	1.0105606	0.9545036	-	0.99430364	1.1727065
Phase-1 PCT-08	1.0153/01	4 0704469	27/82021	1.2505205	1.0762365	0.7853858	0.88036376	1.035/946	4 402462	1.0372055	1.0454813	1,0495011	0.94794464
NADH-cytochrome b5 reductase	0.75539184	1.6027588	1 2489368	+	0 97045153	0 933639		0.5826534	1 0443331	٠.	0 76423407	1 0006225	4 0267262
Alpha 1 - Inhibitor III	0.937301	1.0770602	1.0531949	1_	0.85916215	1.1120485		0.44557998	1,0182495		┺	0,68192863	1.1355809
Phase-1 RCT-233	0.96339184	1.0670396	0.8580184		1.0401813		_		1.2063017	1.0068839	1.0578855	0.92115414	1.0939907
Parackonase 1	1.1836886	1.0827893	1.1573358	_	0.73305297		-			_	0.60682327	-	0.85296067
Presentin-1	0.94507855	1.1165687	1.0307845	1.2780199	_	_	_	0.44512348	-	0.98940413	0.4931508	0.7001473	1.1434969
Apolipopidell C1	0.930//41	1.036010.1	0.98614305	0.85/3/49	(67.185	_	0.70984286	0.6883839	1.0883608	1.0103782	 	0.8898788	1.0197501
Cytodriome P450 2023	0.88309187	1.2303436	1.0905607	_		_	0.89802027	0.6046573	0.89930964	0.8382943	_	0.88770425	0.93078
Henatic linase	0.71982586	1 1072234	1 1744728	1.0422155	1 0560053	0.81480545	0.7082246	0.9308952	1.3250047	1.2152271	1.1552309	0.9487746	1,0611315
Phase-1 RCT-164	1.0173072	0.7093401	0.88818914	0.9641743	1.1343135	0.9583131	0.95069635	:1	0.78978455	0.85971886	- 15	18	0.60814597
Muttdrug resistant protein-2	1.100803	1.1465071	1.1847309	1.0720819	1.0207369	-	1.1471981	1.3725097	-	1.1356161		-	1.1345975
Insulin-like growth factor I, exon 6		1,350137	1,1882974	H	0.89071625	1.1524008	1.016287		0.75008905	0.8497729	0.6310394	1.0581223	0.9396342
N-hydroxy-2-acetylaminofluorene suffotransferase (ST1C1)	1.0822898	0.906577	1.5293059	1.25706	0.7494679	0.79889894	0.74706674	0.4959706	0.789873	0.82993823	0.4888163	0.82139003	0.83850574
Dynamin-1 (D100)	0.9337162	1.039085	0.970882	1.0305948	0.8082102	0.76287067	0.84281	0.9644233	1 0707159	1.0173571	1 0940012	0 908018	1 0014137
DNA polymerase beta	1.1917474	0.95528907	1.0081071	0.9513891	·	+		-		0.95827883	1.0021293	0.8771471	1.0026884

Phase-1 RCT-173	1.0552132	0.6118906	0.6118906 0.79622275 0.86114717	0.86114717	1,1721451	0.84817266	0.96364564	1.0311909	1.1196227	1.1465967	1.3401563	1 0833035	1 0138404
Ubiquitin conjugating enzyme (RAD 6 homologue)	1.0792493	0.9655548	1.3145353	1.1129712		1.0739564	0.83413216		0.89125127	0.86055875	1.0687081	0.699923	0.8533623
Ribosomal protein L13A	0.9579014	1.353586	1,3294154	1,1681536	1.322898	1.5191462	1.1970937	1.1658009	0.87843055	1 0357401	1 083524	1 0512404	1 0370046
Phase-1 RCT-144	0.9982378	0.8137931	0.98148855	0 91275096	1 0006049	0.94939538	1 0227001		1 0255670	0 0037708	0.0070404	0.0527200	1.0378040
c-H-ras	0.99686916	1.1157527	1.0816742	1.0427095	1.0428811	1.3799739		-	0 90051778	0 94665086	0.857.9191	0 9287081	1 0105083
Vesicular monoamine transporter (VMAT)	1.031776	0.95888484	1.1245509	1.0713649	1.1013277	1.0804832	1.1273792	_	1,1098735	1.0717688	0.9107034	1.032598	1 2489508
Phase-1 RCT-273	1.0043789	0.7310044	0.79645634	0.82138294	0.8910449	1.13814	1.0711095	0.9213084	1.0145825	0.9437431	0.9875314	1 2637578	11164387
Phase-1 RCT-230	0.91276747	0.7029139	0.62931544	0.801657	0.9087213	1.2858104	1.0886387	0.9334081	1.0208163	1,0030453	1.0009565	1.1922292	0.996857
Phase-1 RCT-74	0.99606293	0.8988037	0.6427733	0.8812444	0.7958821	1.0126789	1.1749939	1,1001395	1.063454	1.0893201	1.0775284	1.0673481	1.0792071
Phase-1 RCT-80	1.0053028	0.7306556	0.68013924	0.7999282	0.81983215	1,3017298	1.0224246		0.96465707	1.0490593	0.8900492	1,1778105	0.9821417
Phase-I RCT-158	1.0033777	0.66266996	0.6430823	0.8697749	0.8754636	0.8643414	0.9550694		0.98339105	0.9845522	0.9705071	0.98449016	0.9948132
Deoxycytidine kinase	0.9347988	0.8323244		0.8112581	0.8225245	1.1178826	1.1381223	_	1.0901653	0.9690591	0.8609382	1.012331	1.047818
Inositol polyphosphate mutikinase (Ipmk)0	1.0395348	0.7607472		0.83920234	0.8231553	1.273741	0.9434566	0.81802267	0.97538567	1.0030396	0.9100332	1.1085892	0.93920606
Neuronal cell adhesion molecule (NrCAM)	0.9628853	0.6940955	0.6940955 0.63000256	_	0.95906128	1.4370474	1.1305208	1.207001	1.0128479	0.928008	1.091932	1.1869881	1,0805857
Hepatocyte growth factor receptor	1.0311103	1.0176553	0.98196006	_	0.92486674	1.0040605	0.8255459	0.8150277	0.9567742	1.0957807	0.66901934	1.0270528	1.0008178
Empty	1.0052345	0.62332094	0.4594121	-	0.73755646	0.9945525	1.0885888	0.9529636	1.0191768		0.98041475	1.026906	0.92423296
Dopartine receptor U2	1.0715158	1.1804306		1.0543497	1.0871975	0.85407877	1.0307953	1.2843703	0.9095013	0.9932766	1.5753419	1.0723441	1.1485903
Firase-I RCI OI	0.9808255	0.8712714	- 1	0.83584195	0.8261996	0.9497265	0.9868649	1.0040177	0.9263301	0.8553702	1.0706376	_	0.92760086
Four repeat ion charines	0.9637892	0.9250316	_	0.94456494	0.9325537	1.0914093	0.9526897	0.7665605	0.9422477	-	0.8511899	1.0263798	1.0190376
Adreammen	1.0277559	0.68088486		0.7364663	0.8070393	1.141374	1.1320628	0.7285608	0.950401	-	0.84923285	1.1142948	1,0518132
Caveours	0.94577956	0.89990455		0.94676538	0.7906808	1.0730811	0.9776155	1.0042694	1.0264542	0.9602416	1.047799	1.0946397	1.069842
Prisseri RCI-129	0.89839735	0.92700696	0.80369097	0.8984042	0.8009804	1.1386045	1.0491875	0.8808556	-	0.9594316	1.017199	1.0701114	0.9649435
Committee of the Colours Attorn	1.0462282	0.78390807		0.8874203	0.8556353	0.9381205	1.0436473	1.0436473 0.95225656	1.0288855	1.0245498	0.8541473	1,0807109	1.0052443
Phase-1 RCT-79	1.1780305	0.85228124	0.85085034	0.8/6126//	0.8820875	0.8985815	1.0929168	1.2205182	0.96026576	1.0331179	0.9928774	1.0400127	1.0308583
Phase-1 RCT-252	0.98897215	1 5882823	1 5267569	1 0215588	1 0712731	0.6743042	0.9003093		1.0393306	1,030/539	1.0/3142	1.1223326	1.0350311
Phase-1 RCT-151	0.9579004	0.8742756	1 0117866	1 0143231	0 9530538	0.0745342	0.0459872	1 1164847	4 0428240	4 000000	1.0443003	1.0403442	1.1050365
Phase-1 RCT-70	1,1293583	1,1582197	0.92905575	-	0 88643694	1 0013883	1 6541489	1 2163665	10110009	1 0504383	-	0002101	0.9392931
Phase-1 RCT-150	1.089886	1.0624075	1.0356947		1.2063245	1.0256057	1.1599612	1.0313172	1.116006	1,126511	-	1.1464034	1.0319691
25-hydroxyvitamin D3-1 alpha-hydroxylase	0.9186563	0.6939061	0.60270494	0.84068537	0.91743124	0.9352977	1.1681712		1.0863819	0.93576205	1.0163237	1.0169014	1.0304319
Phase-1 RCT-119	0.9945183	1.1509684	1.0376158	0.92439675	0.94892085	0.76120317	0.8326823	1,722683	0.91744447	0.9274074	1.697461	1.0151501	1.1441925
Peroxisornal 3-ketoacyl-CoA thiolase 2	1.027597	1.195168	\rightarrow		1.3966863	1.2833775	1.0844903	1.1144482	1.108989	1.214468	1.235887	1.03023	1.114609
Prizse-1 RC1-146	0.988758	0.7160226	0.58343095		0.99352648	1.0965767	1.1321168	0.96842244	1.1122983	1.008534	0.9149602	1.1100153	1.0494133
Dhasa 4 Dort 446	1.039/356	1.2440203	1.1485652	1.156105	1.1786753	1.2372295	1.0310848	1.2144467	1.0841191	1.2748638	1.17659	1.0935522	1.1280967
Alaka 4 mismalah ilahir di	1.085/5/3	0.8789273	0.7931718	1.0006773	1.0016644	1.3185358	1.2835408	0.8904852	0.9844727	_	_	1.1006463	0.980607
Aprie-1 nacrogreeninverturin precursor (Ambp)	0.885522	1.1226434	1.3022913	1.0783532	0.956855	0.873772	0.795792	0.8863753	1.0294667	0.93713224	0.95456034	0.89012223	1.00206
Phase-1 RCT-18	0.9027972	0.87617004	0.72912294	0.9109948	0.89550734	1.2709764	0.90365195	1.0524893	0.99780345	0.9591509	1.0566915	0.99641246	1.0011144
Maspin	1.1149484	0.8145124	_	$\overline{}$	0.88623863	1.165852	1.0586067	0.70421904	0.91558135	_		0.9115183	0.9309706
Decorin	0.8841205	0.70045376	-	0.73012924	0.9106854	1.167567	1.2592558	0.8889452	1.0842326	0.8022826	1.0876392	1.3591279	1.0926299
Ketmoid X receptor alpha	1,0511999	0.92436373	0.9774513	0.979855	0.8223985	0.9045209	1.0338883	_	1,2674531	1.1326133	1.1569464	1.1477528	1.2824607
MADDL Anchorn DASP SHARE (CNBP)	0.68992137	1.0491668	0.9098917	1.0509377	1.1475881	1.0090241	1.0382869	_	0.98438466	1.0348396	1,2509111	_	0.97973293
Mair enzume	0 0533807	4 0084457	1.0241425	1.1602696	4 04333098	1.0015423	1.041032	1.9332035	1.4855864	1.3914262	1.4614782	1.197535	1.1700171
Caspase 1	1.0017105	0.64137936	+-	0.91747206	1 0058831	1 0592048	1 1161911	1 0323927	0.9001013	0.000000	1.0/623/0	1.0945645	1.2869344
Cystatin C	0.9771981	0.9601196	-	-	0.88453406	0.8876274	0,7316357	1.0777305	0.9245112	-	10	+-	0.87588575
psecoc	1.0450071	_	1.0092947	1	0.9050029	0.9174748	+=	0.75535667	1.0527911	-			1.1495955
Poly(ADP-ribose) polymerase	1.0048362	_	0.87706774	1.100284	-	0.94470507	1.0369065	1.1786635	1.0000179	1.0382776	-	0.95625126	0.96910626
I issue plasminogen activator	0.820228	0.88766034	0.7834409	0.8610902	0.7294761	1.0097779	0.7997062	1,5838435	1.1876404	1.3477398	1.0354437	1,0102112	0.9475227
Diego d Dor oor	808/COL'L	1.3041042	_	1.2365623		1.2680602	1.1089159	1.68339944	1.3259294	1.3118036	1.2572452	1.4359819	1.3870392
Prizze-1 RCI-20/	0.97832257	0.5904763	4	0.90019953	-	0.92980057	0.8904528	1.1036498	1.0975485		-	1.0577494	1.0098682
Figse-1 RC1-101	1.0812069	0.90784615	0.82969695	1.0235031	-	0.83156886	1.0500054	1.4644052	0.8952462	_	-	0.93311435	1.0336623
(Gb1)	1.4209000	1.4303038	1.2693366	1.203281	1.0466205	1.1838021	1.5648898	1.2093308	0.969655	1.0306753	0.9564044	0.94606465	1.0485897
Aquaportin-3 (AQP3)	1.0309263	0.84474355	0.66270924	0.927202	0.8128711	0.85628563	0.9512967	0.94420743	1.2830746	1.12413	1.1251388	1.0184329	1.0527695
Myelin basic protein		0.94189364	-	1.0180515	1.0661826	ш	0.95867157	0.9535377	0.8005023	0.8523981	0.8540878	0.8477428 (0.93037426
Calgrandin 83	0.9784131	0.67726076	0.8031379	0.96903443	1.0253936	0.9045925	0.9869179	1.0743072	1.0722929	1,1077468	1.1061025	1.0422751	1.0292861

Phase-1 RCT-156	1.0902802	1.1461648	1,3577694	1.0802802 1.1461648 1.3577694 1.2326924 1.0504557 1.0469298 0.8937748 1.0348014 1.032804 0.037249 0.00143058	1.0604557	1 0489298	0.8932748	1 0348014	1 0789147	O OTSTRAB	0.0270430	0 01130686	4 0050305
Proteasome activator 28 alpha	1.0842074	1.1028472	0.99974835	1.0842074 1.1028472 0.99974835 0.9868231 0.7876244 1.209308 1.0841987 0.7222079 1.1476877	0.7876244	1,1209308	1,0841687	0.7272079	1.1476877	1 0082513	1.0082513 0.8609258 1.1255568	1.1255568	1 12857m3
(1) Gene expression data for 72 hour timepoint													
are presented as mean ratio of treatment/control													
for all 72 hour predictive genes (Table 23).							•		-				
										_			-
(2) Compound and dose abbreviations as in													
Table 1.				_			_					_	
(3) Individual animal number										-	ľ		
(4) Liver inflammation classification for compound						-							
dose group at 72 hr yes-near, necrosis observed;		-		-							-		
yes-both, necrosis with Inflammation observed;									-				
no, no histopathology observed								-		-	_		
(5) Predictive gene (as in Table 23 and as				ŀ	-								
inctuded in Table 26)				-	_			_					

Table 30. Expression Data for 72 Hour Timepoint													
(1)													
Compound-Dose (2)	DIF 100	DIF 100	DIF 100	DIF 25	DIF 25	DIF 25	DOX 12	DOX 12	FRV 160	EDV 160	EDV 460	07 AGS	200.40
Animal Number (3)	257	258	82	247	248	249	257	1258	198	100 N	960	247	240
Liver Toxicity Inflammation Classification (4)	CL	2	2	٥			-	9	2	8	2	-	3
Gene Name (5)											2		2
Phase-1 RCT-107	1,4735761	1.0875403	0.99149185	0.97323596	1.1315227	1.2942916	0.712991	0.712991 0.86087525	1.1586772	0.75175846	0.7673832	0.71470284	0.8178533
Betaine homocysteine methytransferase (BHMT)	1.0387816	1.1711787		1.4889206	1.2767898	1.0300382	0.56091845	0.90194138	2.3424537	3.284086	1.5358154	1.8409509	3,3976142
Promerating cell nuclear antigen gene	0.9989751	0.9592986		1.0218015	0.9238662	1.0464454	0.9063702	0.5901841	0.98803407	1.032314	1.2451614	1.0375707	0.9836679
Cytochrome P450 2D18	1.2124425	1.1441336	0.94101906	1,1769613	1.0497086	1.2570934	0.9145611	0.6208303	0.73427135 0.58185077	0.58185077	0.6165528	0.6623229	1,2398086
Cyddarone P450 ZC11	0.9675527	1.0590408	0.9888295	1.0240912	0.83367944		1.4688259	1.6012837	1.2898746	1.4803143	1.8693297	1.2974398	1.3428787
Phase 1 PCT 60		1.1795152	1.0416597	1.3108894	1.2374017	-	0.64863145	1.0834831	2.029261	2,4804437	1.4408379	1,3146685	23442922
Both ordin someone	-	0.84630865	0.88276774	1.1454239	0.91951996	0.7104955	1.661481	1.4628009	1.0319598	1.104682	0.9610562	1,0464566	1.2482322
Dhan 4 Det 200	1.0380639	1.153502	1.2812263	0.87968737	1.2241431	1.0241783	1.2891115	1.171628	1.7396603	1.7396603 0.97374636	0.7929266	0.9035499	1,6599369
Duncate bloose muscle	1.05508	1.1430074	1.0587884	1.0522372	1.2349945	1.0557908	1.0213639	0.9972017	1.0739955	1,104166	0.85742384	1.0427998	1.0942804
Organistic	1.0/6831	0.9145396	1.2937896	1.1550775	1.1114538	0.95872927	1.5680916	1.535858	1,3102185	0.92871624	1.139394	0.78493226	0.91549295
Ostedactivin	0.98021173	1.0788586	1.0058699	0.91347975	1.0858576	0.8827833	1.5318965	1.248942	1.356613	1,386012	1.6869136	1,2026261	13092251
	0.82576555	0.8609575	0.8807131	0.73919594	0.8506943	0.916015	1.3506508	1.4771662	1.1846884	1.1920456	1.1102041	1.0838871	1.4267083
Apolipoprotein All	0.7411756	0.6242764	0.64060175	0.72354996	0.5419063	0.6556432	_	1.7096019	1.3378301	2.128592	0.84434843	1.9483172	1.1647887
Direct & Dort 400	1.3386581	1.2193751	1.143561	1.5612686	-	1.1475284	1.0034869	0.75494738	0.888741	1.08069	1,10506	990960660	0.9335493
Chales and the control of the contro	0.88325614	0.9008338	0.8352156	0.71588737	ᇒ	_	1.4719336	1,3032619	1,3404197	1.4169472	1.2594873	1,277373	1,558861
Cycle memyuarsierase	1.4983052	1.174554	1.0293223	1.069029	1.1482091	1.3459789	0.65622646	0.8427153	1 2389716	0.76206607	0.7551005	0.67475504	0.86698556
Dhara 4 Dorn age		0.8769326		1.0500332	0.8886879			0.42991316	1.1749939	1.5670599	1.0339966	1.5355086	1,7037354
Filese-I RCI-230		0.99575528		0.94275475	0.94587225	1.1059326		0.6954512	2.7465827	2.3357444	1.6200244	2.1715221	2.8577373
Office 4 Der 19	1.3246895	0.5170497	0.80302876	0.73460263 0.68334975	0.68334975	_		0.24825552	1.7106109	1.2297139	1.498101	0.63880247	0.819578
F1835-1 RC1-70	1.0162021	1.1842184	1.0224321	1.0323254	0.916931	_		0.8642922	1.1896417	0.9948611	1.10499	1,2980974	1.1450413
United process 2 precursor	0.8664148	0.7559661	0.84197116	0.6066249	0.8450211	0.8053493		0.87024255	1.6107311	2.0398743	1.1829787	2.0990407	1.9931873
And ordered from the grown	0.7571422	0.7027489	0	0.7112828		0.5261757	_	0.38898253	1.7029971	1.8362707	1.4235052	1.6269194	1.9537417
Dhaca 1 Det 186	0.81/454	0.7726878		0.8216594	-	0.83908343		1.6767801	1.7262754	1.8119506	1.964289	1.6103008	1,9144855
Coffin	1.00033	1 0977796	_	0.87413025	1.0851889	_	0.686495	0.703906	0.9615034	0.82197418	1,2175869	1.0464997	0.8862767
Stathala	_	1.4033032	1,389044	1.1914856	1.3156139	-1	-	0.92608774	0.969414	1.1017263	1.1627708	1.1596153	1.1228223
60S ribocome contain 1 &	٦,	0.83915945	1.0984112	1.0041112	1.0256697	_		0.91660684	0.6314703	0.855919	0.7748793	0.7425447	0.7586127
Calmoding protein to	19330361	1,007	1.0085357	_	0.98388475	_		1.2492582	0.98334867	1.1787152	1.285643	1.1445643	1.1708345
Calbacar treavy crain	1.2440219	1.343733	1.2781343	1.0828649	1.0767751	_		0.97192764	1.1213621		0.83422124	0.7680881	0.96860164
Phase-1 RCT-170	0.0747934	1.3487002	1.1746676	1.6223946	0.99999994	-1	0.8093249	0.8740208	0.66461575	0.72702846	0.7585186	0.39248413	0.5576515
Voltage december anim charge 2 A/dac2	0.0717321	4 0069409	4 000 5700	0.80291975	0.9245638	-	0.93538743	0.8958505	0.8042858	1.1812758	0.694269	1.2585251	0.7787904
Phase-1 RCT-192	0.0010931	1.0000103	1,0035/29	0.04/252/	1.0042217	1.0580013	-	1.1126183	1.2162092	1.2209884	12437774	1.1677265	1.1612668
Adentre mideolide translocator 1	0.0001000	4 44 7004	1.0013137	0.931216	70/0507	4	1.4109032	1.05/5892	0.9100355	1.1424868	_	1.0185039	1.0173885
Tivmosin beta-10	┿	0 7774795B	0.052/341	0.0034040	1.0537848		0.9232867	0.5935973	0.6428037	0.74029535	_	0.69388384	0.7095989
High affinity lot receptor gamma chain	-		0.89774805	0.7910013	1 2024205	1 0040048	1.0889648	1.0923667	1.2006203	1.4952633	1.3744348	1.2468116	1.0271078
(FcERlgamma)					707-1		21 12 100	0.040	E0/001.1	Leggnero	1.1408081	U.8548483	eserseu.r
Gamma-actin, cytoplasmic	1.0007329	0.8897873	0.9544681	1.4194037	1.0494705	1.0862042	1.0071651	0.9962333	1,2765194	1,0076146	1,112042	0.7284979	0 7987466
Uncoupling protein 2	_	0.74345255	0.76041126 0.95930266	0.95930266	0.77929723	0.9003245	-		0.90600187	0.9007907	1.0503529	0.8197387	0.7520121
Prisseri RCI-34	1.346183	12480757	1.1743767	1.1880223	1.3049207	1.153768 0	0.98836064	1,2981108	0.8964777	0.6485919	0.9404255	0.91587815	1.0322336
Pridate RCI-31	1.4193668			1.5934612		긔	.69726044	0.9776141	0.8192757	1.0293839	0.7597418	1.0159599	1.396062
Cyclin Ci	0.7222391			0.84317166	-	_1	0.7147006	0.6271998	0.89789975	1,0097045	1.3570201	1.0421472	0.8534465
Zine feeder section	0.9751086	1.0570742	<u>~</u>	0.85281867	1.0853467	_1		_	1.2907429	1.1248055	1.2270533	1.0976462	1,2172916
Dheer Contain	_	1.0536128	1.1113871	1.071541	1.023906	4		-	0.82009995	10	2	0.75372756	0.8624494
Alaha tribadia	-	0.83009283	1.0644039	0.8235/92	1.1097068	4	_	0.81162447		1.2897491		1.1647673	1.4845192
Alpha-orethomosin	1 4030079	1.002/493	0.96142/6	1.143198	0.965915		-		_	0.93068415	_	0.72453018	Ī
Calpain 2	0.9568407	4 4004262	4 0542770	1.1240077	1.4/42233	۷.	_	_	0.95138586	1.0076987	0.7875907	1.2102606	1.5774446
Phase-1 RCT-12	1 1417536	1 2548828	1.0543278	1 2446052	1.0923312	_Ľ	-+-	0.95039105	1,2313174	1.0374169	1.2180478	0.9670508	1.0259094
Cathensin B	0 97714025	1 0673535	-	201001171	2007077	_	4	0.8020/23	0.9741783	0.8257312	0.8391931	0.8524395	0.8968348
Phase-1 RCT-24	1.1498568	1 1355737	_	1 3566163	1 1453048	1 43500	1.2033004	1.0096905	2.183344	1.7183081	2.7044382	2.007732	1.5547558
Melanoma-associated antigen ME491	1.0479196	1.1855794		0.88207215	1.117912	4	1.0031643		_	0.99178314	1.1685394	0.86970234	0.7901702

Phase-1 RCT-88	1.0733877	4 4247732	4 2450420	1 00240	100000	1000001		1000					
Cyclin G	0.8149769	1.0816568	1.1057798	1.0627343	1.10502	1.1258192	2 2754116	1.147/1Z3	1.0007375	0.8867373	0.9091954	0.9644307	1.0135814
Hypoxanthine-guanine phosphoribosyltransferase	1.0056595	1.2431145	1.0045193	0.9901889	1.0062994	1.1204743	0.8111888	0.8401588	0.42798313	-	0.28999338	0.6990942	0.8591362
Tissue inhibitor of metalloproteinases-1	0.8872122	0.9620084	0.94810706	0.95244753	0.8972375	1.0510727	1,2522575	1.2632272	1.5861018	1 4962188	1 868433	14123386	1 3960263
-	0.9514866	0.98549867	0.94769293	1,3488108	0.9597707	1.0517309	1.645062	1.7645521	0.6949503	0.8823071	0.8108887	0 6844031	D R 2301434
Ribosomal protein S9	0.8403275	0.9612945	0.88739437	0.982283	1.0143889	1.0319083	1.1237956	1.0757594	1.0058303	0.93758	1.2659887	0.97924066	1.0527427
Heme oxygenase	1.0112636	1.2160974	1.0824268	0.9250774	1.0467008	1.036567	1,3472687	1.3593642	1,5267172	1.0935316	1.35694	1.2488883	1.1877031
Ribosomal emisin S17	1 1155700	0.9947605	1.0050572	0.7716033	1.0899737	0.9841782	1.286051	1,1354396	2.3672738	1.881327	1.9100357	1.6027735	2.0595481
Nucleoside diphosobate kinase beta isoform	1 0431680	1 2036337	1.1740973	100001	٠.	0.99460083	1.1736933	1.2171795	1,5201687	1.3182693	1.7475862	1.3758495	1.2561698
Phase-1 RCT-121	0.91700464	0.856728	0.90030825	1 1409723	1.U343342	0.7007649	1.2546/09	0.75054534	1 2897794	1.1927335		1.0080771	1.2025845
14-3-3 zeta	1.0970657	1.0479724	0.99876183	1 1384587	1 0642174	1 0845308	_		0.404 10/0/	0.79090764	٦ŀ	0.51196965	0.604617
60S ribosomal protein LB (afternate clone 1)	0.9793016	1.0856812	1.0229915	0.8948374	1.0386748	1.0029415	12119021	1 1679968	1 5932895	1 5649108	1 7208045	1 4650207	1 38 29 8 40
Beta-tubulin, class I	1.124271	1.2748728	1.312794	1.8600973	1.1472835	1.3523892	0.6888743	0.6277706	1.0521299	0.8478207	0.8179373	0.8379166	1 0013204
Organic cation transporter 3	0.90513295	0.98655874	0.9837327	0.79727036	0.9842768	0.84910434	1,3253903	1.3193959	1.063088	1.1848621	1 2040404	1 1471851	1 0697277
Beta-actin	0.9148535	0.80920464	0.9222284	1,1371609	0.942309	1.0125045	0.7888961	0.7767342	0.5900502	0.5154992	0.4382124	0.572538	0.6642112
Cathepsin S	1.0817992	0.95844114	1.1216512	0.85041836	1.193737	0.88143814	1.4111843	1.551224	1.8396395	1.4636822	1.5979567	1,2370715	1.4700941
Dhara 4 Dett 454	1.2529286	1.5179645	1.5595368	1.343723	1.286358	1.445571	1.0937098	0.86146814	0.91268873	0.80953074	0.902802	0.66814417	3.87020785
Phase-1 RCT-293	1.0596809	1.0488687	1.2767032	1.1020063	1.3082018	1.0872426	1.3080821	1.4243027	1.0017782	1.0443680	0.8677968	1.041192	1.0838377
Annexin V	4 4850005	4 0720053	1.0013703	٠,	0.974/8/02	1.1000922	-	1.4897474	2.0358284	1.50766	1.5779864	1.7012845	1.5405062
Complement factor ((CFI)	1 2741333	1 4440303	1.2149210	1.0365531	1.4713033	1.1040015	-	0.84505075	1.1032343	1.4242548	1.2257704	0.89394356	0.9338028
Phase-1 RCT-276	1 085486	1 2185404	4 4364043	0.0449000	1.1989015	1.0670568	2.069194	1.6608943	212	1.1704278	2.1702724	1.3001426	0.85738343
Tyrosine aminotransferase	0.80800855	0 9698792	1 0080508	0.8403040	0.03034345	_		0.819/484	-	0.92565614	1,455947	1.0887634	1.0284061
Gtutethione peroxidase	0.926477	0.7984015	1 2408584	0.1637274	1 2358407	4 0470544	0.43630902	0.61836175	2.0203652	4.235313	1.3775085	1.3021333	2.0272079
Histidine-rich glycoprotein	1.5604036	0.9586403	1.1985631	0.9637657	0 9471838	0 7499688	0.03248834	0.2748758	1.0104228	1.84/4/2/	1.785/726	1.6689192	1.783049
Carbonic anhydrase III, sequence 2	1,5493838	0.9745181	1.2970294	0.99150956			٠.	-	0 94196nna	1 9845281	1 2/108	1.0100/20	1.5830941
Phase-1 RCT-92	1.5269297	0.98340225	1.256964	0.8603336	-	0.76222503	0.6650442	8833	1.0770453	1.3470323	0.36314976	14417199	1 5034412
Transitional endoplasmic reticulum ATPase	0.97989076	1.026688	0.94722974	1.2303447	0.9720562	1.1689459	0.90474766	0.737032	332	0.75110686	0.8645741	0.7820154	0.62073195
Phase-1 RCT-88	1.5297104	0.9582988	1.2100308	1.0140461	0.9566869	0.69424623	8	0.86518013	1.0655032	1,4037435	1.3634124	_	1.3574852
Phase-1 RCT-296	1.1726959	0.9323948	1.2252274	0.9416161	-	0.89896566	0.2373263	0.25747654	1.7138238	1.9430762	2.0235035	1.5410904	1,1855837
Circhiona Stransforms that 4	1.097522	0.9432495	0.98973566	0.986538	0.98570085	_	0.88949585	52	0.91763868	0.75689867	0.80484855	0.7081729	.85300696
Phase-1 RCT-168	4 0680082	4 4976449	1976969	0.7954495	-+	1.0449287	0.7926948	0.6492104	0.6840228	0.9194123	0.8708334	0,9295537	1.0754044
Phase-1 RCT-182	1 1500924	1 0340748	1.1203124	1.0551596	1.1455061	0.98286146	1.0657907	1.151922	1.2298791	1,5871009	1.2371036	-	1.5599313
JNK1 stress activated protein kinase	0.81911504	0.80438143	0.7580049	, -,	0.83546877	0 85409085	1 1475779	1 4779842	1.0208405	1.068/802	1.2435873	1.0851692	0.69940716
Phase-1 RCT-81	1.2549835	1.2211881	1,3015895	۱.,	+-	1 0734495	1 0200853	0 9710168	0.0474747	0 0032446	4 4200523	1,3/3043	1.3001643
Phase-1 RCT-33	0.8852085	0.8880244	0.83589095	0.9723309	166	57876	0.75386965	0.7784027	1.9666188	2.0105865	1 4192469	_	2 9340434
Phase-1 RCT-178	1.170049	0.7616843	0.90418607	1.3111142	1.0994558	1.3394464	0.79056257	0.8946451	0.6736197	0.6331698	0.5055557	0.7225511	0 9301174
Apolipoprotein Cill	1.119457	1.0560069	0.9743004	1.0380588	0.9392062	-	0.82039404	0.8392816	0.62886745	0.97396886	0.9489717	1.0044744	0.94344455
NADH-Mochame his reduction	1.1650281	1.419097	1.2916908	1.1576043	1.1471956	_	0.73110783	0.7195701	0.89815956	0.9837602	1.1143131	1.0453062	0.9660816
Alpha 1 - inhibitor ill	4 4000442	1.2000039	1.1210843	1.248195	1.2658582	_	0.7027932	0.5593143	0.8439543	1.0129685	1,0599461	1.0772288	1.0295224
Phase-1 RCT-233	1 1854367	1 2333018	1.0913492	0.8101105	1.0785892	0.6104477	0.29448733	0.27552816	1.1705521	1.5522342	1.5027827	1.3872284	1.0046092
Paracconase 1	0.8562418	0.7933408	0.9500654	0 6476971	00210010	-	0.6243600	0.6999533	1.1425129	σį	0.62004095	1,3215483	1.243921
Presentin-1	1.4842103	0.87424004	+-	0.83143497	1.1203228	_		0 27322698	1 1765184	1 R797397	4 8200772	1.004808	1020116
Apolipoprotein C1	1,2234246	1.0754135	0.7547453	0.7849336	1.1778928	1,1015816	0.6568503	12	0 82709223	1 0241805	1 4286038	1 2284825	1 4067854
Cytochrome P450 2C23	1.0560472	1.0919918	1.1271523	0.98135024	1.0983789	-	0.89076126	_	1,1111095	1.3305496	0 77 14885	1.8157617	1 262301
Prase-1 KCI-227	1.0614043	1.1983253	0	8	0.89583254	0.9708971	0.888321	0.8083926	1.2014492	0.8836261	1.2844088	1.3546549	0.9885967
Disco 1 DOT 161	0.8384679	0.8064035	0.9022867	1.0051268	1.0268674	0.8890099	0.3565263	0.3421613	0.81874895	1.5052007	0.7189175	1.227595	0.7583149
Middle o moide amois	0.9787451	0.9365926	0.90229625	1.0012428	0.941135	D.87127084	0.7667261	0.8091663	0.70827734	0.7169674	0.6348221	1,0402565	0.8010564
Insufficient constitution of a second	1.0586144	1.02650/2	1.0464841	-	-	1.1124306	_	3.1137574	1.1277463	1.2429858	1.3760002	1.0429567	1.0760014
N-hydrox-2-aretylaminoft meno suffortransferose	0.0303/30	4 00340050	0.00717239	-	-	0.55951434	 .	0.51211244	2.3924198	1.6943586	1.2290379	1.7878571	2.9814765
(STICI)	0.8841402	00004701	0.0224603	0.7345083	0.8939316	0.9061073	0.4686131	0.6107768	1.4302275	1.0069444	1.5106229	1.0899092	1.1319861
Dynamin-1 (D100)	1.0184603	382	0.94389325	0.843387	0.90725213	0.8653567	0.8493086	1.062881	1.9973686	1.9350586	1 5303355	1 8601369	2 0465214
DNA polymerase beta	0.7899796	0.9426255	0.99285215	0.7780254	1.0064425 (0.85123587	듸	0.92059374	11	11	121	95557296

Phase-1 RCT-173	0.812565	0.9279547	0.9297075	1 0392314	0.93812954	1 0144306	0 9463901	0.8821078	0 820755	0.8461554	0.51802236	0.6137075	0 8823458
Ubiquitin conjugating enzyme (RAD 6 homologue)	0.9149979	1.0526028	0.97471154	0.81591195	1.0105104	0.98143526	0.89708074	0.9748122	0.9618935	1.017154	1317445	1.0642821	1,075513
Ribosomal protein L13A	0.86126775	0.7850265	0.83181685	0 8292339	0 7193449	0.84005255	1.4847999	1 4037677	1 6927603	1 8797423	1 5175807	1 6738642	2 0729485
Phase-1 RCT-144	1.1515938	1.1044135		1.0418373	1.149675		0.97305197	0.9888064	0.876556	0.89493185	0.83413345		0,78111875
c-H-ras	1.0391188	0.964245	1.0505742	1.075163	1.0134937	1.0122149	1.6854476	1.427371	1,3908,789	0.9136685	1.0487771	0.8514624	1.0855764
Vesicular monoamine transporter (VMAT)	0.9636277	0.8787711	₩	0.8555585	1.0265312	1.0115812	0.8510533	1.0421567	0.92235484	0.7212011	0.9984203	0.7420634	0.8117371
Phase-1 RCT-273	0.6601205	0.80162575	-		1,0059872	- [0.8273629	1.7168267	0.85962486	0.79254913			0.9064107
Phase-1 RCI-230	4 0424784	0.8699032	0.78682685	1.0705596	0.99858266	0.9618669	0.8568987	1,8206348	0.813284	0.69394946	0.8484849		0.76858196
Phase 1 RCT-80	0.82584188	0.8400048	ı٠		0.00090334	-	1.0151383	1.024417	0.91612273	0.916122/3 0.8409/046		0.82039	0.818.2019
Phase-1 RCT-158	0.0230 1050	0.0103010	٠.	4 2203118	0.99303/2	0.0124003	4 19818	20343407	0.6192406	0.00361/3	0.7565/81	0.08120303	0.7860215
Deoxycytidine kinase	1.0265979	0 97485244	1	1.3750744		1 0183734	1 1750084		1 -			1 0876343	0 979941
Inositol polyphosphate multikinase (Ipmk)0	0.84430075	0.85078025	12	0.9863078		0.9150471	0.7536441	1562	0.877345		0.77928805	0.71855164	0.8969128
Neuronal cell adhesion motecule (NrCAM)	1.478389	1,2081728	_	1.4867547	1	1.2138758	0.9396905	2,3693337	0.71748555		0.729078	0.5863548	0.7118167
Hepatocyte growth factor receptor	1,0169226	0.9820895	L	1.317914	0.9891553	0.8449298	1,6442393	1.416539	1.416539 0.87500256	0.867773	0.85950416		0.89773554
Етрtу	0.9447047	1.041947	_	1.0572693	1.1758505	0.9758439	0.8875933	1.70721	0.53913724	0.6185738	0.77304	0.47948447	0.5878314
Doparnine receptor D2	0.985953	1.1006482	0.9087109	0.9671862	1.035577	1.0088634	0.7294627	0.745029	1.1157123	0.9918793	1.3434483	0.90205246	0.87728107
Phase-1 RCT-51	0.9231809	0.91589594		_	0.91706143	0.8735077	1.0228119	1.3695761	0.9040883	0.84970254	0.945912	-	0.84649444
Four repeat ion channel	0.8660751	0.8624242	-	õ	1.0384849	0.8503352	1.1464494	0.97274745	1.2138072	1.002594	1.0294574	_	1.184436
Adrenomedulin	0.8923871	0.8868532	의	_			0.91865486	2.1726897	0.5748221	0.6265624	0.7225807	_	0.63082474
Caveolin-3	0.88733023	0.97433305	4	ᅴ			1.052907	1.1960976	0.91076535	0.75355196	0.83024055	-	0.85654074
Phase-1 RCT-129	0.9017036	0.9010797	4	1.0771275			0.81198514	1.3240916	0.8674643	0.656134		-	0.858668
Phase-1 RCT-94	0.9865418	1.0854278	4	1.1831268		0.95259744	1.0897533	1.0592641	0.9041638			_	0.8684922
Sarcoplasmic reticulum calcium ATPase	1.1271882	1.0930753	_	1.1268259			1.0568709	2.0725005	0.9109198	0.81980528	_	_	0.69881398
Phase-1 RC1-79	0.8866012	0.9168765	4	1.0179876	-	ユレ	0.8782598	1.558169	0.91387403	0.7700322	0.99764717	 1	0.84790623
Phase-1 RCT-252	0.8519644	0.81915843	_	0.775399	0.89036447	0.8922531	0.7960288	1.073719	1.6024468	1.6086584	1.1011045	1.4068927	1,8115449
Phase-1 RCI-151	1.0004857	1.0787218	<u> </u>	1.2766141	1.1226693	1.1149687	1.3220567	0.91918695	0.9185023	0.8056967	_	1.0150112	1.0539148
Prissent RC1-70	1.0440938	1.1494/66	0.8933721	1.1789618	0.8397625	1243032	1.147418	0.855783	0.9716913	1.0942417	_+	_	0.9373773
25. Industrial Day alobe Industries	1.0703744	1,2303311	1.0231102	1.0116096	1,5261153	5 88 48 88 88 88 88 88 88 88 88 88 88 88	1,240/305	0//00001	0.49469134	0.639563/4	0.5548903	0.7305355	0.87922704
Phase-1 RCT-119	0.8687175	0 77600515		0.8590825	ᇛ	0.66455626	0.9669036	4 2476042	4 5126084		1 0648053		4 4077088
Peroxisomal 3-ketoacy-CoA thiolase 2	0 9993217	1 0678154		1 4943572		1 425770	1 2512703	1 1 200383	0 75543505	0.8036102	0 56851854	0 7045707	1 1955587
Phase-1 RCT-146	0.91428113	1.0602461	-	1.2343392	1.2217687	1.0031977	1.0407066	0.99069168	0.6494533	0.85741854	0.7677939	0.6504979	0.888951
Superoxide dismutase Mn	0.9278915	0.97575593	0.9606349	0.9710254	0.84291935	0.99123526	1.0734	1.2001358	1.8701694	1.5813742	1.5850667	1.5559622	1.6334927
Phase-1 RCT-115	1.20339	1.2358374	1.0939741	1.4701962	1.0248107	1.0817414	1.3072075	1,5801991	0.50961125	0.50311327	0.45276597	0.47814938	0.6829703
Alpha-1 microglobulin/bilamin precursor (Ambp)	1.2695646	1.2126223	1.3009173	0.923935	1.1542581	1.0588146	1.0351863	0.91710603	0.8772971	0.9527208	1,5145804	1.1606231	0.7863564
Ober 4 DOT 40	1 0044700	,	_	000000	0,0000	_1.					20100	_	0000000
Macnin	C0708080	0.8647002	0.99003123	0.9447369	1.0208940	0.8071405	4 0463503	4 7607826	1,033/2/5	0.83047/04	0.91367/00	0.8633310	0.707688
Decorlin	0.8682854	0.84877974	1_	1 2510978	0.88526213		1 6068422	3.3317268	0.9703879	0.70833063	-	+=	0.62695235
Retinoid X receptor alpha	0.8377282	1.1552744	⊢	1.0907979	0.9339587	1,0920752	1,3409824	0.9278596	0.71217084	0.8033805	0.8417671	_	0.72512174
Cellular mudeic acid binding protein (CNBP)	0.80777884	0.8427996	0.85275844	0.59494686	0.7760497	0.85422605	0.9354798	0.9354798 0.97622854	1.7664739	1.4123272	1,1067669	1.3311784	1.5826606
NADPH cytochrome P450 oxidoreductase	1.4075465	1,4865165		2.2285554	1.3159152	1.4959964	1.5556021	1.3290731	0.97319204	1.0235246	1.0499107	0.974135	1,0871981
Matic enzyme	0.81607443	0.8692096	긔	0.9119914	0.90050346	1,146344	0.5257639	0.6940319	0.9094252	1.0639609	_	0.7415479	1.1433399
Caspase 1	0.9468636	0.93753326			-1	0.8357408		0.76629376	0.53580785	0.7228945		0.84215225	0.605841
Cystatin C	0.99/4/33	0.94129/53	⊥	6	- !	0.9627404	9	0.8517085	1.7253051	1.916018	1.5475	1.6805317	1.6770654
parcic	1.3405198	C1CL//CR'D	4	1.0658807	0.9900763	0.8692483	2.4564807	6.693563	0.7700139	0.7952437	1.4647888	0.565/392	0.5866197
Truck described polymerase	1.0333304	1.2084321		1.0383363	1,0784954	1.1956449	0.8588876	0.76314473	0.7682885	0.92913675	0.6722808	0.85924345	1,0418109
Mulidano resistant protein-1	1 558920B	1 4011728	1 2439513	1 5350157	1 242027	1 6336164	2 088830	2 4482075	1.1/30/06/	1 037828	1 060270R	0 87985876	1 0413411
Phase-1 RCT-207	0.9743009	0.9584449	10	1 2988082	0 9494148	0 9802561	1 8594643	1 2712599	0.53776073	0 79429245	0.5595092	0 73818123	0 7629108
Phase-1 RCT-181	1,2789565	1.0353284	_	1.038162	1,139155	0.8210759	1,115873	1.0027748	1.0030867	1.1090819	1.0329502	1,1720628	0.74295604
Gap junction membrane channel protein beta 1	1.0182687	1.0899754	0.91009736	2.0220501	0.82579917	1.1605505	1.4808717	0.8345137	0.9122487	1.3053175	0.96975857	1.0173904	1.0599294
(Gjb1)	2		٦.										
Aquaponnes (AUPS)	0.89651895	1.1353222	-4-	1,1751745	1.033078	1.0603076	õ	0.9364509	0.8768141	0.8034213	-	-	0.88765705
Colomordio D2	0.703178	0.6124343	ц.	0.75840007	0.7866022	0.7620327	1.079685	0.8794337	0.9796905	1.0315701	0.931438	1.0534205	1.304501
Vargitatium co	0.03330074	0.9304030	0.8097222	1,2234808	0.3584873	0.85/5/585	1.1690984	0.9639936	0.6553537	0,/836958	0.6918587	0.77649191	0.9132/63

Phase-1 RCT-156	1,0077113	1.0591598	1.1224232	0.9760208	1.1129731	0.99504626	1.0077113 1.0591596 1.1224232 0.9760208 1.1129731 0.99504626 0.84836406 0.8127188 0.95245844 0.9267878	0.8127188	0.95245844	0.9267878	1.0501037	1.0501037 0.94409126 0.95876247	0.95876247
Proteasome activator 28 atoha	0.97322047	1.0787289	0.96551454	0.93365943	1.0867007	1.1784227	$\frac{1.0787289}{1.0787289}$ 0.95551454 0.93365943 1.0967007 1.1784227 0.86745457 0.90040344 0.94534093 0.7969485 1.1470321 0.84517556 0.69873108	0.90040344	0.84534093	0.7969485	1.1470321	0.84517556	0.69873106
(1) Gene expression data for 72 hour timepoint													
are presented as mean ratio of treatment/control				_									_
for all 72 hour predictive genes (Table 23).							-						
(2) Compound and dose abbreviations as in													_
Table 1.	-												
(3) Individual animal number													
(4) Liver inflammation classification for compound										.,			
dose group at 72 h; yes-necr, necrosis observed;	_	_											
yes-both, necrosis with inflammation observed;													
no, no histopathology observed													
(b) Predictive gene (as in Table 23 and as included in Table 26)													

Table 30. Expression Data for 72 Hour Timepoint (1)													
					T								
Anima Mumber (2)	ERY 40	EST 0	EST 0.1	EST 0.1	EST 0.4	EST 0.4	EST 0.4	ETH 2500	ETH 2500	FTH 2500	20M 200	CON JOS	200
her Toylette (of amendia Chariffe at	349	1427	1428	1429	437	438	1439	137	138	430	2457	2450	SAIN ZUD
Good Name (5)	2	8	٤	8	uo.	01	2	8	2	9	2	2	8
Phase-1 RCT-107	30270AT 0	0 7500444	000000									2	2
Betaine homocysteine methytransferase (BHMT)	2 1532602	0.7303441	1 2427404	1,1717374	0.80546936	1.0693711	0.903572	1,0041511	0.91653836	1.4235811	1.1734747	1.0781231	1.0298804
Proliferating cell nuclear antigen gene	1.0484169	1.1090945		1.084/023	1.135/222	-	1.0102075	1.0236729	0.8754579	1.1707598	_	1.2089865	1.5658814
Cytochrome P450 2D18	0.69853808			0.99244547	0.879777	1 0100868	4 0404055	1.5091192	1.0227515	1.7992784	끄	0.7894818	0.76925194
Cytochrome P450 2C11	1.4160886	0.86925846	_	-	0.82796454		0.94540644	1 63002743	1 1063612	2.0262864	0.9324529	0.8937326	0.8264161
Hase-1 RCI-290	1.6826447	0	1.1756842		+		0.77554464	1 0213488	0.1803012	4 1/33304	1.07.30822	2021202	0.62255967
Both and a secure of	1.253829	1.0276926	0.96710527	1.1632587	1.2538404		12152597	0.86057633	1 0688512	ı٠	0.8464705	6.1000973	1.3306878
Dhase-1 DCT.202	0.78325105	1.1995757		1.1309184	1.0737472	1.0886105	1.1564051	0.8457063	1.0165979		0.0401780	4 4085727	0.820/801
Puriota Viscos accorde	1,0219195	0.9292005	_	0.92132014	1.2387094	1.0524098	1.1727129	1.0376415	1.0548565	0 9964079	1 2070804	4 4585930	4 404 4770
Ostoonerida	0.8613622	0.70154214	0.84233403	-	0.94624394		0.64158815	1.0030035	0.9795365	1.1098646	_	0.06539783	1 000058
Caloramin B4	1.5923856	1.3028886	1.0782775	1.2190565	1.3259518	1.1174128	1.4339525	0.80046004	0.9867295	0.8660413	_	1 0937978	1 025000
Apolipoprotein All	1.6128481	0.925/974	0.8534144	0.8583181	1.2349023	1.1421413	1.4086732	1.0357364	0.94508797	1.1327726	1.1910812	1.0219636	1 1284256
Connexin-32	4 4 40000	7.25/0814	1.9218968		1.0243795	1.4723485		0.90861905	0.73608977	1.2430545	1.2097143	1.075308	1.0434442
Phase-1 RCT-109	4 5407470	0.74800/30	1.2304188	œ l	0.92488366	1.2182605	1.3490124	0.9809534	0.671289	0.5580513	1.0496368	1,186054	1 0877997
Giveing methytransferace	1,016/1/2	1.54/4/13	1.3319837	-	1.4821068	1.2939512	1.3680053	75001260	1.3111602	0.92849934	1.1411185	1034442	1 0764173
L-dibno-damma-lambre oxidase	4.4057544	0.8259236	1.3130367	5	0.96822304	1.1531949	1.1786005	0.96399355	0.8484772	1.5014504	1,5420008	1 8283125	1 700711
Phase-1 RCT-256	1,465/541	0.9027967	1.2708406	1.2433152	1,0161808	1.0834557	1.4148024	0.99173504	0.77203053	0.80044436	1.4894178	1 27776887	1 3357841
Carbonic antivorase III	4 4375503	1.1023638	1.3933861	1.3220552	1.1600229	1.1931341	1.3197829	0.97920865	1.1011399	0.7854795	1.2543029	1.1538794	1 1962442
Phase-1 RCT-78	1 249463B	1.104921	1.0006277	1.7928071	0.6477801	1.7187983	0.9549454	-	0.24487458	0.5827136	0.8116531	-	0.83227605
Urlnary protein 2 precursor	2 074275	4 9770644	1,0365377	1.123/343	1.0074555	1.0235473	1.0491165	0.9764101	0.8928808	0.9787365	1.0730981	_	1,0139669
Insulin-like growth factor 1	2 182228	1 03/3082	4 543670	1.3300000	1.5292/16	1.4290957	1.3852538	0.8644434	0.81351066	0.80311954	1.1604106	1,0866631	0.862553
Any sufformsferase	1.8185121	1 3583675	1 2045527	1.3080506	1.2366265	1.2277861	1.5732994	0.8894011		0.61334074	1.0695242	1.0900186	0.9821049
Phase-1 RCT-185	0.89107317	1 3809351	14777434	1 2064007	1 4050000	ZGL0CGL.	1.288109			1.228427	1.1224729	1.0487607	1.1416517
Cofflin	1.0971475	1.6553347	14118416	1 388221B	1.4650093	1.33/1185	1.2317972	-	-	0.99075174	1.1129396		1.0783956
Stathmin	0.7041455		0.81748724	0.7248855	+		36780000	1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1.080122	0.8404279	1,01354	-	0.90938956
60S ribosomal protein LB	0.7669652	1.3805608	0.99228674	1.185912	+	1			0.98883846	1.2155915	1.2155915 0.97016096	0.959928	0.9157791
Calpacin I heavy chain	0.8263257	0.9375908	0.880964	0.8018713	1.1343472	_	1 091300B		0.00708219	4 0444776	1.0798446	1.3120664	1.2498583
Collagen type II	0.57524014	0.8895812	1.0807582	0.8649145	0.7839762	-	0.84746007		2 202045	-	1.120908	_	0.855568
Phase-1 RCT-179	0.6853576	1.2012448	1.0557821	1	0.99000406		1 1209916	-	0.0464924	1.2013629	0.86903167	-	0.87415415
Phone 4 Der 400	1.2289724	1.2704895	1 1392405	1.1143041	1.0764836	┺	0.9489988	_	1 0915786	1 0501547		1 1007070	0.9926973
Adenne purientide translandes 4	1.0090277	1.3901187	1.0070938	1.247026	1.517279	1.2719655	1.3458884	0.8588728	1.008868	-	0 93385478	1 0110838	1.1926/80
Thymosin beta-10	0.5970422	1.0655949	1.146133	1.24086	0.5910414	0.9102788	0.847212	0.8577268	1.0543376		0.8342212	0 9128272	0 7878248
High affinity ldE receptor camma chain	1.18/0034	1.6849355	1.5198892	1.2637242	1.5081294	1.4769572	1.2356988	1.1416487	1.0642501	1.1469731	0.9392048	0.9832799	0.9668596
(FcERlgamma)	יייסטיבועל ו	000070C'1	1.1144354	0.9924606	1.5275712	1.2528139	1.5065242 (0.98519725	1.11602	0.93758404	0.87459236	0.9445157	0.95028293
Gamma-actin, cytoplasmic	0.9145621	1.1267369	1.1181395	0 7870647	1 1780405	3000000		0022200					
Uncoupling protein 2	0.81102175	12120478	-	-		`	70000436	0.8777728	0.8455072 0.85280985		0.9530774		0.81910396
Phase-1 RCT-34	1.0051239	0.9163097	-	1	1		4	. .		-	0.63176125	_	0.8173721
Phase-1 RCT-31	1.1483824	12291784	0.9818208	1	4		-		-	0.86492106	1.1827878	_	1.1449461
Cydin D1	1,4269822	1.0821905	1.1401958	_	┸		-	_	0.928408/4		1.4610835	_	1.4236997
	1.1906631	1.1617582	-		1	_	2005001	0.9739333	0.85555683	-	0.74413574	-	0.73306535
Zinc tinger protein	0.65479815	0.91909987	-		┺	-		0 84940207	1.0244002	_	1.23/1677	_	1.0258774
Phase-1 RCT-138	1.3328382	1.1232793	1.0904814	1_	1	_		0.0030767		-	0.92887896	-	0.97270405
Appa-tubulin	0.7313014	1.0797734	1.0680238	┸	1	J.	٠.	0.0520107			1.21/8202	4	1.0602157
Apna-prothymosin	1.1910688	1.2798495	L	1,1462865	┸	_		_	_		0.7757889	Υ.	0.75123364
Carpan 2	1.0658182	1.0319394	-	0.9058917	┺	ľ				-	0.97235817	-	0.8859322
F-12	0.73430014	0.7299666	0.89719 0	╀	1	-	┸	0.0070744	-	1.1147132	_	_	1.0121409
Camepsin B	1.8220023	1.4004478	1.6570256	1.1180382	Ļ	1	3 6	1 062121		4 002066	-	٦.	0.9041677
Molecular RCI-24	0.6620824	1.0382825	1.1052632	0.9317624	N	L	ê	0 93247974	1 1245849		TOOOLEO O	0.9351655	1.0158542
Meianorra-associated antigen ME491	1.1067545	1.029849	0.8884646 0.78098285	78098285	\mathbf{L}	1	1_	1.1458356	1 0684133	1 1439472	4	0.9608183	0.824885
					1	J		יאייייייידי	2000.	1.1400414	10040708.0	98	0.8483532

Phase-1 RCT-68	0.9458378	0.8680238	_		0.9903824	0.9617082	1.0382708	0.9321627	0.9293349	0.8784613	0.9426987	0.9281483	0.9915881
Cyclin G	0.96829706	0.8567171	_	_		0.6829087	-	1.4203159	0.9770284	-	0.95713484	-	0.97293144
Hypoxariinine-guariine phosphonbosyltransferase	0.39909977	0.9881675	1.1233082	1.0029898	0.8737112	0.88747364	0.944659	0.93595564	1.1704164	0.6971071	0.88063586	0.91805625	0.90077144
Tissue inhibitor of metalloproteinases-1	1,5001429	1.2321726	1.0629011	0.9754052	0.82924217	0.80567884	0.9877186	1,5298103	1.1764287	1.76565	0.9185304	0.9316917	0.97741973
ID-1	0.65814453	0.9480329	0.9408498	0.8681462	0.6975947	0.8528866	0.75100625	1.0286	0.9769499	_	0.86646813	0.9466579	0.8579732
Ribosomal protein S9	1.0238551	1,6698213	1.233773	1,0630969	1.2335374	1.6967162	1.3010687	1.052258	1.0877943	1,056663	0.8455143	0.90137196	0.87131125
Heme oxygenase	2.2281592	0.69736856	0.9226379	0.7479414	0.8862444	0.8458195	_	1.0996978	1.1265072	1.2650583	1.270328	1.0740331	1,219715
Ribosomal protein S17	1 4631007	1.711/964	1.5111094	1.3435903	1.5718602	1.445578	1.2278337	0.83654964	0.9083278	0.88161874	1.4656074	1.3369387	1.2824403
Nucleoside diphosphate Kinase beta isoform	1,1355151	1.4654111	1.3503535	1 252334	1 3366554	1 2706928	1 4685682	1 004514	0 9711704	0 98908377	1 1468458	1 0075041	1 0217357
Phase-1 RCT-121	0.5377492	0.85279673	0.8368421	0.8285904	0.6994574	0.8122291	┺~	0.87009054	0.9692938	0.76502025	0.8713313	0.8968959	0.8743404
14-3-3 zeta	0.61781746	0.70120746	0.8241465			-	_	-	0.95396936	+-	-		0.94835713
60S ribosomal protein L6 (alternate clone 1)	1.3384824	1.3337609	1.2111925	1.1840348	1.3582498	1.030916	0.9788765	1.0338725	1.0898438	0.9755232	1.3470138	1.2537519	1.2266049
Beta-tubulin, class I	0.8198057	0.8588983	0.9814347	0.8096638	0.9723935	0.8673154	0.927899	0.83611166	0.9580033	0.8445971	1.3251086	1.1295447	1.0764915
Organic cation transporter 3	0.7956198	1.4627944	0.99827826	1.3235891	_	0.71216255	0.8043568	0.94174194	0.9961273	960957560	0.937331	1.0394182	1.0147967
Beta-actin	0.4876743	0.85527474	0.867344	0.6148359	0.5894947	0.611462	0.81091166	0.7843312	0.83759737	0.6349749	0.7209308	0.91003454	0.68423194
Cathepsin S	1.9400831	1.547967	1.2923077	1.1532674	_	1.0128534	1.4510384	1,31053	1.3005396	1.358894	-	0.99133927	0.8984011
Billverdin reductase	0.7821151	1 2259324	0.9709348	-+	-	_	0.81433195	1.2445357	1.0698495	1.8752804	0.8642948	0.8767032	0.86766565
Phase-1 RCT-154	0.89297205	1.0425779	0.9197751	\rightarrow	0.83195186	0.8871394		1.0680965	1.0321099	12174611	1.0106484	1.0258462	1.0248507
Phase-1 RCT-293	1.5333056	1.2358888	1,3467244	1.1907624		1,0603774	_	0.90008134	1.1846547	1.0231245	0.9935391	1.0135531	0.94693744
Amexin V	1.1057111	1.0582187	1.036291	1.0852834	0.7133434	0.79383063	0.9342983	1.3065382	1.0256557	1.2780578	1.0088098	1.2371365	1.0565313
Complement factor I (CFI)	1.3931801	1.5479343	1.5933722	1.5200914	1.2247812	1.3291827	_	0.94697326	1.2516158	1.062841	1.7705014	1.4460529	1.4803673
Phase-1 RCT-276	1.1812967	1,5104955	1.4916679	1.4362835	1,6052054	1.4226991		0.8841541	1.0481347	0.94693476	1.1024446	1.0402639	1.0328937
Iyrosine aminotransferase	3.0495877	0.9810102	1.0725924	1.3230432	1.3645619	1.2590626	8	0.09907035	1.2961789	0.90464115	1.1306385	1.1623887	1.0795497
Uladitione peroxidase	1.3305345	1.5140142	-	1.6371899	2.1070135	1.7919245	_		1.000263	0.7816583	1.4474722	1.272249	1.186291
Cartonic and discounting in contracts	1.2975485	1.4963002	_	0.88752975	1.2948605	1.2670792	1.32733	-	0.83244807	0.6678947	1.419287	1.0582165	1.2308201
Dhare 1 Der on	1,1595/83	1.4559948	=+	0.87986245	1.3578987	1,2699013			0.87680227	0.63956463	_	0.9819387	1.1155457
Transitional andonlasmic retinedum ATDean	277770	1,330,300,1	1.0102907	1.01461	1.3846243	1.3093196	-	0.62253064	0.92339253	0.7240213	1.0112191	0.96656877	1.0528975
Phase-1 RCT-88	1 2071859	1 3413656	+-	_	1 2244378	1.131/200	4 2228607	-	1.0311061	0.2160/46	4 0746083	0.9200246	4 0705244
Phase-1 RCT-296	1.5203586	0.98110324	-	1 2300481	1 2475748	1 160845	_	+:-		1 3234136	1 2941877	1 3896118	1 2714077
Phase-1 RCT-161	0.8708163	0.723827	0.6509017	. 	0 87157758	1 0601778	0.9279928	0.9266508	-	0.96114236	0.8977481	1 1464821	0 7587060
Glutathione S-transferase theta-1	0.89759415	1.4352432	1 2442105	-	0.85387474	1,44454	_	0.93352795	-	1 0250423	0.8688383	0.9016296	1.0151753
Phase-1 RCT-168	1.4879311	1.127907	1.2960281	1.378234	1.3066133	1,1139244		0.9733828	1.1207205	0.8525183	0.9406984	1.0964679	0.9064215
Phase-1 RCT-182	0.9368007	1.121218	1.432172	1.1948475	1.166626	1.0325766	1.0218956	0.91018945	0.9598831	0.89796966	1.0234787	1.0593303	1.0154599
JNK1 stress activated protein kinase	1.7443573	1.3314325	1.0695219	-	0.89375234	0.7203483	0.69468373	1.3208303	1.0360928	1.5768787	1,0565066	1.0244865	1.0505708
Phase-1 RCT-81	1.0327783	1.3133014	1.266943	1.4841641	1.6579449	1.5810478	1,6705412	0.85800457	1.0320483	0.91285595	0.95905817	0.9500609	0.9562344
Phase-1 RCT-33	1.6580931	1.0410335	1.158662			1.0543874	1238927	_	1.2829282	-+	1.2061621	1.2502358	1.0314053
Andipopulation Cili	1 0640478	1 4004427	4 074055		4.5247747	4 6408950	1.023/062	1.0895382	0.98646176	1.4036252	0.809860//	0.7465234	0.7931226
Phase-1 RCT-88	1 0710105	0 9790949	1 00885	1.4731303	1.321/11/	1.0408652	1 3340875	1.216628	4 070022E	1.0989498	1 0445546	1,000376	1.0749013
NADH-evtochrome b5 reductase	1 1069	1 3204758	1 2356302	1 1803395	1 3204047	4 1775044	1 4797651	1 0853843	4 4051009	0 7078682	۰.	4 2934474	4 4083043
Alpha 1 - inhibitor III	1.255818	1.1574228	1.7188807	1.3436126	1.2369386	0.7515298	1.6936879	0.9509698	0.8984833	0.6985818	1.1030043	1279812	0.889598
Phase-1 RCT-233	1.2458731	1.1349186	1.155655	1.087375	1.2712289	1.2690239	1.3304598	0.8762216	1=	0.92589915	1.1836177	1.1706777	1.2119229
Paraoxonase 1	1.3002454	1,3656	1.4984944	1.3507122	1.4845159	1.4584432	1.4298072	1.0724077	_	0.9693084	1.102828	1.1463968	1.0958572
Presentlin-1	1.3516293	1.2753799	1.8967334	1.3879656	1.2914281	0.8188112	1.7835559	0.95313895	0.9261433	0.70136464	1.1786919	1.476416	1.2477636
Apolipoprotein C1	1.1390938	1,6569026	1.2985986	1.4390774	1.9080673	1.6495572	_	0.89575833	1.0448488	0.836301	1,1133919	1.2644612	0.9400049
Cytochrome P450 2C23	1.0541415	1.3326943	1.7531288	1.4081683	1.3464501	1.5638318		_	0.8823921	0.8580837	1.2402129	1.0951457	1,2865385
Hensie linee	1.1172982	1.2234123	1.0927883	1.27/11573	0.99235505	1.1324320	1.0679727		0.95451945	-	12770338	_	1.1385902
Dhoes 1 DCT-164	0.05020/04	4 004004	1.000351	1.030/134	1.426279	1.1/00/42	1.4203000	-	1.23/1304	_	0.82893333	-	0.78612873
Multidary meistart particip 2	4 4057540	1.0040001	0.000000	1.1000343	0.0700701	0.892/113	100/0000	٧ŀ,	0.09041094	1.0103835	1,0234685	-	0.000001
Insulin-like growth factor I, expn 6	上	0.77779	0.9000043	0.0769194	0.0526803	0.7376322	0.9209978	1.39811/1	0.9653397	0.4040442	1.0429456		4 0502434
N-hydroxy-2-acetylaminofluorene suifotransferase	L	1.0805657	1.0936695	1.2702483	0.9903241	-	1.1098442	1,0385723	_	0.96794504	1,0188749	1,0088175	0.6205065
Descript Costs	4 0044007	300000	0000										
ONA polymorasa hata	1.0911007	1.1303000	1.0034/30	1.1585805	1.2323221	1.2848135	1,3384109	0.8814669	0.9820597			1.1239383	1.108143
	1,04074101	1,000,000	131321121	1.010010.1	1,1000001,	1.101.002.1	1.1378893	1.0660703	1.0815381	0.9585684	0.90698475	0.89110824	0.9188734

Plase-1 RCT-173	0,6015041	1.1816896	0.7481364	0.8414759	1.0604639	1,3085568	1.2420225	0.9573818	0.96015805	1.1285802	0.8132749	0.914638	0.84735674
Joiquitin conjugating erzyme (RAD 6 homologue)	_	1.6058581	1.0310477	1.2950604	0.68755176	1.298355		0.95208144	1.0489827	1.0326498	1.0135493	1.1601818	1.077435
Ubosomal protein L13A	1.6548003	1.5759262	1.5360535	1.4365432	1,6355418	1.4422266	1.6083418	0.9997844	0.9502254	1.0379235	0.8883407	1.0165827	1.0279016
Phase-1 RCT-144	0.96291554	0.96363723	0.9797784	0.8529155	1.0506663	0.91744214	0.9043912	1.0343473	1.0335954	1.1303204	0.8912724	0.87702626	0.822388
¥4-ras	0.8340203	0.9771665	0.9127085	0.9478008	0.6963201	0.8341	0.77190036	1.097035	1.1446177	1.0707933		0.94812846	1.0182719
/eskular monoamine transporter (VMAT)	0.87291926	0.62664646	0.8150155	_		0.77675708		1.2036912	1.0465211	1.4054625	1.0017525	1.0944872	1.1927049
hase-1 RCT-273	0.9267614	0.5156455	0.7745651	_	0.71727175	0.7695498	0.59231645	0.9732268	0.94607085	1.1158462	1.0997782	1.1272659	1.1727308
-nase-1 RCI-230	0.8964782	0.5/12/625	0.73/563	0.53/26/8	4 634049	4 2030402	1.61/568/5	1.1251643 U.95/6U18	0.9576018	7,22/0108	10137301	0.0525886	1.007173
Share 1 DCT an	0.0990031	0.50368204	0.0020010	0.1200434	0.004040	1.03531105		4 0407208	0.00016624	0.0545826	4 0220518	1 0103347	1 1410251
Pase-1 RCT-158	0.6500933	0.77262837	0.777811	0.28306007	1 01089	1 0891584	1 0807122	0 943886	0.9980398	0.9557093	0 94237113	-	0.91238654
Jonny Hilling Pinace	0.045533	0 658 10/08	0.8563782	0.8245332		0.88733054	0 50001004	1 2288403	1 0387948	1 7125181	0 00868351	_	1 1169884
nostol notorberbate multikinase (lamk)0	0.0457654	0.00019450	0.80466855	0.672716		0.00/3334	0.7240526	1 0349805	0.8439538	1 0551722	1 0496457	1.0973608	1.1895986
Vergonal cell adhesion motecule (NrCAM)	0.71817225	0.5494448	0.7168703	0.5824981	0.6286553	0.7716796	0.6580943	0.9894728	0.8277162	1,130276	0.9601534	1.0679052	1,2344135
Henatocyte growth factor recentor	0.70763665	0.75743324	0.81393623	0.7104995	0.7977611	0.7966059	0.6465688	1 2244327	0.93907803	1.2590575	1.0631026	0.984839	1.0877571
Empty	0.56158215	0.4579791	1	0.47011628	1.0168886	1.1118884	0.8563493	0.9004752		0.9455289	0.99151856	1.0168246	1.1717073
Donarnine receptor D2	1.0589273	1.2842835		1.193954	0.7650122	0.8808756	0.69550323	1.1178912		0.8141251	0.924136	0.8655383	0.940895
Phase-1 RCT-51	0.9454496	0.66430175	0.8471282	0.68151104	-	0.74495673	₩	0.83227944	0.791308	0.9188743	1.1071419	1.0816077	1.1665289
four repeat ion channel	1.2790328	0.8728885	0.81940633	0.83420366	1.4211273	1.3510869	1.3517151	1.1482767	1.0768696	1.2559704	1.100646	1.031721	1.0297396
Adrenomedullin	0.66373867	0.39293465	0.66819215	0.48616192	9		0.45533506	1.3582339	0.97856617	1.8004292	0.975275	1.1448435	1.4042788
Caveolin-3	0.86831206	0.6961513	0.8172893	0.70764863	1.3241837	1.2264012	1.3804948	1.0589247	0.9384121	1.2418011	0.888911	0.89731514	0.95718926
Phase-1 RCT-129	0.89576256	0.503286	Ш	0.69169366	0.84178734	0.82733685	0.80108064	1.0044868	0.88700265	1.0356797	1.0242743	0.9251665	1.0746053
Phase-1 RCT-94	0.83012295	0.8421714	0.8222945	0.9931878		0.8237371	0.68858	1.0599173	1,0308486			1.0985017	1.0741551
Sarcoplasmic reticulum calcium ATPase	1.289379	0.7552026	0.936	0.68183166		0.75508064	0.7437487	1.0914379	0.96543586	1.1936738	0.86077573	0.98421593	1.0050211
Phase-1 RCT-79	0.9140561	0.582367	0.7714856	0.5819795	0.8655624	0.9256988	0.829243	1.0439099		1.1164218	1.2325148	1.2528661	1.1669736
Phase-1 RCT-252	1.9110154	1.1955302	1.238465	1,239886	1.342061	1.2353935		0.91202956	ч	0.82084346	1.1491476	1.1458155	1.0555861
Phase-1 RCT-151	0.9690204	0.9441808	1.0023498	1.0346489	1.0175112	1.1830484	1.3130606	0.92661196	0.8943138	0.8686261	0.9792159	0.9775844	0.9859514
Phase-1 RCT-70	1.0438926	0.73701173	0.8837392	0.7920347	1.3623966	1.2418743	1.1996154	0.851063	0.6458268	0.79920715	1.1476766	1.0198702	0.890227
-nase-1 KCI -150	0.5451043	1.196865	1.1709765		1,045/348	1.2/8051	1.0657626	4 95540384	1.0946202	1 5077452	1.344/423	1.202090	0.07777756
So-mydroxywramin US-1 alpha-rydroxyrase	102/254014	4 0404032	4.0702004	1 1224343	1.000001	1 047/1015	4 264 4663	1.33342/0	0.07777460		4 9875478	4 4997470	1 98811
Jamylenmai 3-katnami Cod thinisea 2	0.7710020	1 0821388	1 1040503	4 4252252	1 041445	1 0742385	1 456424	0 7972243	0.8912115	0 76908267	1 0641475	1.0157478	1.0582668
Phase-1 RCT-148	0.6658551	0 82697237	0.7957894	0 69451696	0 79982746	0.9003851	0.6775733	1.2148983	1.0212888	1.4086957	1.1029927	1.0413145	0.95236886
Superoxide dismutase Mn	1.6126071	1,5403765	1.3679584	1.1109328	1.0994142	1.209754	1.443577	1.2185421	1.0450972	1,3483938	1,0771905	0.9766094	1.0815918
Phase-1 RCT-115	0.49109554	0.58127266	0.7916366	0.6636793	0,7142089	0.73755157	0.565792	1.1478451	0.7505276	1.2766701	1.0587457	0.9878025	1,0178589
Alpha-1 microglobulin/bikunin precursor (Ambp)	1.0794332	1.5361983	1.9155146	1.7834073	1.737669	1.7440809	1.7327298	0.855624	1.0749346	0.86846757	1.2586251	1.1350476	1.1717973
Phase-1 RCT-18	0.96507436	0.83448493	0.8796992	0.8754826	0.84652305	0.84780586	0.74700034	0.9417595	1.0296792	0.8463101	1.084882	1.0067082	1.0148994
Maspin	1.0894916	0.72096604	0.9084354	0.77440274	0.72083557	0.7200511	0.8520044	1.1897422	1.0068015	1,422193	1.0001371	1.0995977	1.3053226
Decortn	0.70643526	0.6584422	0.7391304	0.5674275	0.5674275 0.69266254 0.68332106	0.68332106	0.58757234	1,1715251	1.0264413	1.3681856	1,1318238	1.1599469	2,1639605
Retinoid X receptor alpha	0.7515787	0.8933051	0.6879327	0.7724155	0.7241686			0.9432727	0.8466988	1.2341539		0.85290474	0.8220609
Cellular modeic acid binding protein (CNBP)	1.3452489	1.2796228	1.2869307	1.1709639	1.0559663		_	1.1967655	0.93443835	1.0211803	1.0103873	1.0379653	0.92838854
NALIPH Cytochrome P450 oxidoreduciase	0.926659	0.70849545	٠.	0.822/4//	0.5899597			1.1694089	1,190101	1.410974	4 046703	0.99003003	1.0700451
Malic Grzyme	0.8124062	0.2826108	0.77084200	0.0000013	0.5440393	0.3384104	0.03118390	1.72217	1.4843007	1.1433400		0.03374493	0.0750778
Costatio C	1 9283756	1 2361157	١.,	0 9597118	1 1222692	1 1230419	Ľ	0 98081625	0.96185476		0.7705708	0.8569696	0.9762675
essent.	0 8584074	1 1938545	Ľ	1 025345	0 8802181	┸	_	1 38 1924	1 0279332		0 9900981	1 1303802	0.912043
Poly(ADP-ribose) polymerase	0.73959446	1.0269971		0.9087828	0.82440364	0.91690046	0.742717	1.0390704	1.0468425	1	+-	0.87019736	0.9673397
Tissue plasminogen activator	1.1211767	0.8764754	٠.	0.9829918	0.9619153	0.88673794	0	0.9070756	0.9898228	0.81125176	1.160264	1.0449464	0.991197
Multidrug resistant protein-1	1.1247884	0.7954047	Ξ	0.70584085	0.84575798	_	_	1.2525847	0.9575232	1.2458156	0.9342286	0.844167	0.845842
Phase-1 RCT-207	0.62652797	0.8876154	0,83531404	0.8233585	1.0642428	1.1331265	1.2131498	0.9843853	0.9799981	1.1787572	0.9198301	0.9132478	0.926191
Phase-1 RCT-181	1.1060437	1.0100851	0.956702	1.0455093	1.2317473	1.17387	1.164897	0.727422	0.9262209	0.81422275	1.2139039	1.0821565	1.1702868
Gap junction membrane channel protein beta 1	1.1334686	0.55541945	0.92831945	0.8629149	1,310,3861	1.1400872	1.3526922	0.8080771	0.5745196	0.58892053	1.2671463	1.2444774	1.127537
(GJD1)	0.8247748	0.81740874	0.8404854	0 7708975	4 4450538	1 00845E7	1 1716756	4 05R270R	0.0540191	1 1486506	1 1368027	0 9938931	0 98119557
Modin hasic notein	1 038294		1	0 85090888	0 6289654	0.6577319	0 80656254	0.87276083	0.92726517	0.69674546	0.9229828	0.9243214	0.900015
Calmanulin R3	0.7530066	0.0056873	0.8501825	0 890603	1 037875	1 1372203	1 2065081	0.06133628	0.000039	1 0625151	0.85339093	-	0 94100577
Calgranum bo	0./558500	0.920001.0	0,00910	0.0380003	1,03/0/0	1.13/2253	1.2000001	0.80103040	U.BOULDAR	1,000,000,1	V.Occasion	-1	1241000

se-1 RCT-156	1.0458912	1.0458912 0.84416175 1.1761231 1.1588881 1.1957524 0.96547014 1.3742363 0.86397326 1.0343488 0.7235655 0.73661816 0.82320957	1.1761231	1.1588861	1.1957524	0.96547014	1.3742363	0.86397326	1,0343488	0,7235655	0.73661816	0.82920957	0.797287
easome activator 28 alpha	0.8310835		0.7412053	0.515143 0.7412053 0.6458837	0.6594404	0.7335753	0.50091094	0.6594404 0.7335753 0.50091094 1.2118626 1.0800531 1.3897442 0.88502556 0.88908476 0.90067816	1.0800581	1.3897442	0.88502556	0.88908476	0.90067816
								_					
Sene expression data for 72 hour timepoint			-										
presented as mean ratio of treatment/control							•						
Il 72 hour predictive genes (Table 23).							***						
Compound and dose abbreviations as in													
ndivlousi animal number				Ī									
Liver inflammation classification for compound													
group at 72 fr. yes-necr, necrosis observed;							-					•	_
both, necrosis with Inflammation observed;													
no histopathology observed											•		•
Predictive gene (as in Table 23 and as													
ided in Table 26)													

Table 30. Expression Data for 72 Hour Timepoint													
(1)													
Compound-Dose (2)	GAN 50	GAN 50	GAN 50	GEN 150	GEN 150	GEN 150	GEN 38		GEN 38	HYD 1000	HYD 1000	HYD 1000	HYD 250
Animal Number (3)	2448	2447	2448	437	438	439	427	428	429	1237	1238	1239	1227
Liver Toxicity Inflammation Classification (4)	2	9	2	8	8	2	8	2	8	2	8	٤	ē
Gene Name (5)	4 0047040	4 403604.0	4 0050440	0.0369446	4 3254366	20141086	90070700	20806	O BORBEROR	0.0489022	A RESOUDEA	1 0209149	0 9288528
Datio tomorralis and the Court of the Court	1,0247043	4 9453048	4 5577070	4 5246040	4 497557	4 002000	0.07255432	0 84480443	4 4230043	O AGGTESBR	0.43060273	0 7858358	0 6175002
Desired to the property of the	0.3000432	0.82826465	0 763534	1 0954688	0 9429589	1 0088004		0.80942124	0.9073158	0.9653844	1.5824833	1,1940829	1.2828955
Cytochrome P450 2D18	1.000943	0.8780153	0.8756053	0.74877228	1.1203245	1,0004123		1.3008807	1.051871	1.0882052	0.67647636	0.8482089	0.7864631
Cytochrome P450 2C11	0.5508739	0.6444258	1.0428321	1.1993448	1.103461	0.9878716	1.1582094	0.8843622	1.030908	0.9149127	1,5715137	1.4269174	1.7610223
Phase-1 RCT-290	0.5452496	1.1805738	1,4015647	1.3923291	1.0433679	0.9881342		0.78029364	1.0199094	0.80917215	0.683329	0.93522066	0.91563994
Phase-1 RCT-59	0.9932036	0.9908387	0.92258346	0.94187677	1.087381	1.0133888	1.0244809	1.049897	0.9909647	0.89491135	1.0879136	0.947611	1.0582203
Beta-actin, sequence 2	0.8398964	1,115985	1.0728321	0.82949585	1.0058373	1.0573871	0.95905644	1,1230154	0.8550336	1.1173711	0.858004	0.9434004	0.87776583
Phase-1 RCT-292	1.1374984	1.0336142	1.0442398	0.9229884	0.97853583	1.0196528	0.94293547	0.86389794	0.8631222	1.0107579	1.178217	0.9330547	0.9878227
Pyruvate kinase, muscle	1,0585396	0.99248668	0.9847296	0.8603481	0.99420786	0.95570564	0.8914515	1.096003	0.9858398	0.9364871	0.88943744	0.8797815	0.9380005
Osteoactivin	1.0779759	0.9888831	0.9330887	0.9991484	1.0754539	1.0705161	0.9802735	1.1826694	1.158411	1.300669	1.074457	1.0242808	1.1093574
Calgranulin B1	0.98287374	1.0034038	1.0119958	0.8275995	1.0422662	1.0191344		0.72047395	1.0058984	0.6959946	_	0.7674581	0.88467276
Apolipoprotein Ali	1.4653548	1.3157481	1.0944676	0.8089844	1.3080565	1.0734365	0.93739694	1.1620825	1.1464187	0.3170188	의	0.46022353	0.5807542
Connexin-32	1.1366501	1,0026337	0.8972745	0.7264055	0.96548414	1,3620304	0.91564596	1.2289202	1.4236456	1.1829411	1.452383	2.963025	1.8151292
Phase-1 RCT-109	1.23092	1,1025732		0.83169043	1.09377	1,0472778	1.0665482	1.2179714	1.1346881	0.7350944	0.6282281	0.6484602	0.8414477
Glycine methyltransferase	1.2937168	1.4627147	1.0691334	0.90550333	1.4954826	0.83965635	0.6440734	0.73162276	0.79290473	0.87644887		0.8855225	0.75740707
L-gulono-gamma-lactone oxidase	0.9197269	1.3264241	1.430607	1.0293765	1.0687726	1.0139036	1,0255569	1.16327	1,1287555	0.6588534	_	0.67797166	0.73093677
Phase-1 RCT-256	0.87426597	1,0108606	1.0629941	0.9973255	1.1270579	1.1129673	0.9689243	1.1226209	1.1160306	0.6982028	0.6103723	0.83604544	0.9542281
Carbonic anhydrase III	1.3839743	0.7031444	0.8066246	1.596903	2.034466	1.7917066	0.6551627	0.9450137	1.2183161	1.2482182	0.6560184	0.3581153	0.5613003
Phase-1 RCT-78	1,002099		_	0.95031935	1.1087065	1.0066952	1.1325096	1.0011449	0.9182543	1.0979191	1,1207622	1.0909106	1.0345168
Urinary protein 2 precursor	1.2223543		_	2,2521565	1.3711991	1.2704374	0.8990029	1.4762821	1.2506695	1.0680581	0.7562925	0.7884131	0.8029156
Insulin-like growth factor !	1.2847319	1.0117508	1.0454576	1.1310556	0.9043822	1.3602372	0.85301235	1.2400184	1.1244339	0.9555653	0.6923794	1.0034550	0.0202244
Any suffortansferase	1.3131044	1,3598,396	0.9539009	1,3398139	1.346104	1.346104 0.89440295	0.9831/1Z	1.010305	1.0071070	0.02/010.0	1.00/10/0 0.010/2030 0.0341420 0.01/20304	0.01720304	0.0437334
Phase-1 RCI-185	1.1907307	0.95034536	1.0522643	1.444315	1.0836152	1.0896152 0.944939	U.9444939 U.9/U/US80	7,1013/30	1.010/910	4 2672264	4 424 6064	4 0204274	0.1833180
Contin	1,0569246		1.1435055	1.2306909	1.0390333	0.937333004	0.537 3300 4000 102010	0.7000344	0.0540660	4 0000000	+	L	1 1323054
Staumin	1.01/11/0	4 2002744	1	1.0020026	0.0101337	4 0460545	4 0460646 0 08923436	4 98BOSS4	4 0408683		_	ш	0 REE7202
Coloradia I bone chain	0.08206034	1 0602343	┸	0.8580484	0 9963235	0.9582918	1 001552	0.85532045	1 0231395		L	1 2191828	1.0864811
Colloca tone (1	0.84457684	ı۲	┸	1 0323948	0.94536835 0.73559874	0 73559874	1 1113228	0.97549194	1.066675	0.89350575	1.0834676	1,0065354	0.89714456
Phase-1 RCT-179	1.3361789	0.9355581	1	0.93181443	1.0579073	0.9146382	0.8994339	1.1257797	1.0792457		<u></u>		0.89498985
Voltage-dependent anion channel 2 (Vdac2)	1.1846077	12289376	1.1282351	0.9291124	1.0123069	1.0426207	1.0903615	1.0397259	1.0232518	1.0944687	0.8437638	0.95822775	0.9821643
Phase-1 RCT-192	0.9996191	1,0000541	1,001761	0.93117064	1.0441585	1.0842748	0.9610981	1.0879688	0.9785776	1,1126225	0.8082399	0.75772536	0.8604381
Adenine nucleotide transfocator 1	0.77967894	0.8986606	0.9255238	0.9867431	0.88656783	0.67927927	1.0321319	1.1358042	0.93581206	-1		0.8345177	0.7245378
Thymosin beta-10	0.8932892	1.0291269	0.8819312	0.9136022		0.9837859	0.8309688	1.2810351	1.1150193	٦	_		0.7594228
High affinity IgE receptor gamma chain (FEER) (receptor gamma)	0.9808078	1.0025076	1.0561334	1.2060736	1.1900371	1.0210228	0.9258942	0.9258942 0.86666524	0.9665314	1241382	1.1622772	0.92257965	1.0401264
Gamma-actin cytoplasmic	0.7102713	1.2409998	1,1031902	0.75204825	0.88943523	0.94085234	0.9533553	1.0170009	1.0170009 0.78832847	1.0951501	L	1.0166988	1.0090821
Uncoupling protein 2	0.7333043	<u></u>	0.83793485	0.898794			0.8992566	0.9718789	0.99476635	1.0439873	1.1245694	1.0282019	1.0613145
Phase-1 RCT-34	1.2120287	1.283252	1.2452625	0.85991704	0.9242803	0.9857085	1.042285	1.0401745	0.9727725	1.1770822	0.8646572	1.02608	1.2358162
Phase-1 RCT-31	1.9293698	1,5931308	L		1.1623559	1.0077921	1.0629336	1.5533718	1.2171336	1.216257	1.037811	0.97934884	1.002211
Cydin D1	0.8783828	0.97061074	0.89341605	1,0522084	0.82337075	1.1047227	1.0538383	1.1308804	0.7108607	1.2019799	1.8547151	1.420534	1.0112745
IgE binding protein	1.0499251	1.1443789	1.1142975)	1.6653421	0.8563736	0.9434594	0.84538555	0.9094039	- 1	-	1.1314516	1.1557009
Zinc finger protein	1.0174272			1.0117842	0.9270515	0.7188853	0.9721121	1.0760905	1.2192265	٦		0.95192915	1.1714935
Phase-1 RCT-138	1.1492808		4	1.0362072	0.98360056	1.0115153	0.96282774	0.8162262	0.9033532	1.077148	4	0.9155282	0.84 / 24854
Alpha-tubulin	0.5964575	_	_	1.0080634	0.9135685	0.6678408	0.9576809	1.0330559	0.8429738	<u> </u>	-	-1	0.69151014
Alpha-profflymosin	1.2302432	_	1.0947831	1.0622408	1.041074	0.9847774	1.0246993	1.4722872	1.0966278		_	0.7783665	0.8600683
Calpain 2	1.0519946	_	_	0.9687088	0.9093802	1.0221417	1.0182467	0.9264874	0.9069244	Ц.	Ц.	1.0083041	1.1158221
Phase-1 RCT-12	0.81580836	1.0937222	1.0796448	1.1242185	0.949498	0.9043849	0.9879339	1.0224918	4 2488404	1.0740345	0.9739018	0.83676284	0.5155486
Camepan b	1.10//85/		4 0072064	0.0000	1,000091	0.0709205	0.0546084	0.134003	0.8650058		4	0 88799584	0 93180543
Material RC1-24	4 2473206	0.0545053	┸	0.8821/38	1 0746545	0.9706303	1 0707834	1 1267378	0.985046		Ľ	1,1491164	1.108302
MEIGHUILIG-GOOGLOCOLOUMBOLLIME, TO 1	14.11.12.	V.0074000	4	7,011001	21.001		101000		X X X X X	1			

Obeses 4 Dort co	0.0444007	4 0272478	4 0948748	120001000	1 0850542	1 0318177	1 0003551	1 00231201	1 01RABBB	4 4079742	1 1958752	4 1232314	1 0930483
	0.97446597	0.9683746	1.0081916	100	0.90445906	1.0443604	1.0263927	0.8607934	0.9627088	0.9938894	1.2599168	1,4286153	1.4429387
thine-guanine phosphoribosytransferase	0.57139987	0.9353993	0.9272356	0.9277091	0.8809908	0.8615011	1.070054	1.2660183	0.9351604	0.9291768	0.8776358	0.8295425	0.79862463
Tissue inhibitor of metalloproteinases-1	0.8386283	0.92965627	0.9776821	1.0774374	1.0630444	1.0068597	0.9789574	0.8976807	1867	0.99795216	1.2727247	1.3707148	1,063969
ID-1	0.91830784	-	0.90411896	0.9876374	0.8335782	0.920325	1,0511483	1,021465	0.8967277	0.9305748	1.1821538	0.8673558	0.90331376
Ribosomal protein S9	0.9500865		0.85532606	2	-	1.05061	1.1204343	1.2338217	1.1087974	1.0007952	0.9287631	0.83700514	0.7596133
Heme oxygenase	1.6527284	1.1091547	0.9900816	٠,	-	0.94394237	1.0163785	0.88709724	0.8625728	1.2396042	1 236 7092	1.48297	1.322/09
Ribosomal protein S8	1.4034972	1.1939172	1.0925965	1.1206317	1.2643255	1.0396814	1.108431/	1.3334044	1 1405907	1.034328	0.9077254	0.88826416	1.0985887
Nucleoside dinhochate kinase heta isoform	0.93049484	10779191	1.0760869	1 0546795	1.079027	1.0521227	0.9665561	12511815	1,1061574	1.0763149	+-	0.85640126	0.8027198
Phase-1 RCT-121	0.9704088	0.88164115	0.9401888	0.97120667	1~	0.65187585	0.9281453	0.7719648	0.8344541	1.0624646	1.1716961	1.1840235	1.2389818
14-3-3 zeta	0.96195686	1.0519402	0.96559286	0.83338025	0.861092	0.81297076	0.9744227	0.78353906	0.83639574	1.1434753	1,4408547	0.8804671	0.89793
60S ribosomal protein L6 (alternate clone 1)	1.3733717	1.1861062	1.1054885	0.7764008	↤		1.0659791	1,2314149	_	0.91070557	0.80596495	0.8812535	0.9052654
Beta-tubulin, class 1	0.70308474	1.6715432	1.4063606	귶	-	0.89007028	0.91083875	1.1021557	0.8061521	1.264087	0.8223152	0.8174597	0.958054
Organic cation transporter 3	1.0185971		1.0012413	d	0.84429055	_	_		1.0228802	0.9653843	0.8600988	0.8526347	0.6399/12
Beta-actin	0.7200688	-	0.95249546	0.6716457	0.9646824			0.91482884	0.69083120	0/60410.1	4 05773095		0.03000134
Cathepsin S	1.1002234	1.1281626	0.8521719	1.0816596	1.0079842	1.0423189	0.91688/04	0.97199585 0.85556117	0.95956117	1.08/1462	1.03/2603	4 4545552	4 3846731
Dissect Description	4 0472787	1 0377737	1 0133755	0.8097.340		+	-	0.77030396	0 92025834	1 0714726	1 53807	10777881	1 1890428
Dhose 1 DCT 203	0 00722048	1 0527298	1 0671298	0.9254861	0.9588751	1 0032208			0 99949616	1 0191917	1 0956978	0.9303865	1.0584232
Amerin V	1 0252572	1.0498611	1 0983944	1	+	0.98016983	1.0171762	1.1202319	0.9440342	0.9303072	1,1633989	1.0547216	1,0046785
Complement factor ((CFI)	1 8730468	1.1388308	1.1874834	0.8963305	+	1.1256008	1.0715703	1.1988344	1.1267523	1,2869309	1.0711945	0.9628168	1.0837176
Phase-1 RCT-276	1.0578347	0.9703906	1.0106322	0.94333917	1,1619494	0.9749653	1.0196718	1.173457	1.0318335	1.2069054	1.0564324	0.95611286	0.9492648
Tyrosine aminotransferase	1.1746349	1,1255773	0.8956033	0.8503776	0.90545815	1.2669423	1.1710764	1.0853057	0.74094975	-	1,5669926	1.4837408	1,1318822
Glutathione peroxidase	1.0612916	1,2518058	0.95050734	짇	:=1	0.97475904	0.8202611	1.5846051	1.2819136	0.99972814	0.97338927	1,067443	1.2105445
Histidine-rich glycoprotein	1.8881942	1.3421963	0.91045016	0.9678658	1.1189586		0.83020574	1.0685445	1.0623525	0.82215166	1.0469135	1.0053362	1.3079599
Carbonic anhydrase III, sequence 2	1.6607683	1.250294	0.8809418	1.040482	1.12//306	1.00001	0.816/324/	1.0452890	1.0100094	-	0.8770390	0.80220340	4 445953
Prase-1 RC1-82 Transitional and ordered meticulum ATDses	1.04385.20	1.0919200	0 9487523	0.032698	1.1090133	0.78429425	1 0056873	0.8640643	0 86819935	1 236915	_	1.0626335	0.9908237
Obsect DCT 98	4 2366844	1 1773478	0.89299554	_	-	1 17189	0.9150789 0 9999994	-	0.97354454	1.0170003	1 2335763	1.0756474	12256299
Phase-1 RCT-296	1.37242	1.410375	0.982484	1,185505	0.8034887	1.022282	1.1565393	1,3567816	1.3144882	0.86917007	0.6672144	0.95729935	0.87990594
Phase-1 RCT-181	1.0242227	0.7890058	0.8886107	0.94318708	1.1712991	1.0128883	0.97001404	0.6799012	0.98065317	1.2894893	0.7941538	0,6478833	0.7288796
Glutathione S-transferase theta-1	0.75554115	0.92498344	0.83269715	1.1780268	1.0130297	1.1383275	1.0074897	1.1619319	1.6249726	0.80754197	0.8230969	0.6925434	0.81546146
Phase-1 RCT-168	0.8346815	0.98764217	0.9059985	0.84397763	0.8926873	1,0935097		1.0828	1.0142413	0.9604054	1.0909839	1.1322403	0.9496634
Phase-1 RCT-182	1.1743629	0.91605335	0.9342077	1.009121	0.9981101		_	0.92766833	1.2002691		0.83170885	0.83342826	0.9675342
JNK1 stress activated protein kinase	1.1641034	1.2140715	1.0359477	1.3378012	1.0058343	0.9230216	0.95576346	0.879944	0.959617	9	0.87031835	0.9933229	0.9665416
Phase-1 RCT-81	0.97981244	0.862092	0.96755266	1.0537984	1.0468619	1.0076666	1.0399157	1.1594027	1.0223818	<u>ي اي</u>	0.97966725	1.0085745	0.8433954
Phase-1 RCT-33	1.1695337		1.0662652	0.7572409	1.1449175	1.2658854	1.5454814	1.1695069	0.83421//5	0.7883656	0.70297134	0.677908	4 0033023
Andiomodein CIII	4 4504044	4 0644722	4 0846303	1 1200154	1 0820408	_	1 0006573	+-	0.097.20390	0.6824046	1 0513904	0.8086248	0 80230343
Phase-1 RCT-98	0.9214799	1.0087038	1.1265427	0.9852849	1,0005755	1.057966	1,0122921	1.033152	1.0543478	1.015492	1.1816576	1.1931558	0.9973239
NADH-cytochrome b5 reductase	0.7029539	1.3073257	1.1408774	1.1673934	1.0002352	1.1067574	1.1210519	1.0018752	0.9760368	1.1520566	1.0501502	1.0304784	0.94217205
Alpha 1 - inhibitor III	2,1935425	0.97542864	1.0522372	1.6076434	0.6339955	1.5018506	0.8036681	1.3270335	1.1932429	1.053757	0.88985187	0.7207785	0.8696059
Phase-1 RCT-233	1.0730689	1.0527492	1.3704119	1.1760393	1.0731655	1.0344214	0.9341405	0.8035225	0.9823127	1.0697032	0.88767457	0.82682574	1.1214862
Paracconase 1	1.4703928	1.0984068	1.0056483	1.6534964	1.0833316	1.078891	1.0778953	1.2665766	1.1269002	1.0519454	0.9207841	0.7604672	1.0505/98
Presendin-1	2.4846449	1.0347936	1.0921187	1.5190413	0.832739	1.5125183	0.7958772	1.3624917	1.1972228	_	0.9184654	0.7235844	0.8/9/813
Apolipoprotein C1	1.4081126	0.91095585	1.2368876	1.8066313	1.4283689	1.018908	1.0126819	1.2338337	1.1/09/088	0.00000	0.90443367	0.7444707	1.8833004
Cytochrome Past 2023	1.6009740	1.0240430	0.00422485	0.0244270	1.004432	4 DORDO24	4 4072007	1 0225/08	0 88863033	66470	0 82443887	0.8428804	1.054568
Henatic linase	0 7009525	0.95180106	1.1365218	1.1250321	0.6648179	0.88978344	1.1663065	1.0777704	1.0168636	0.7976786	0.7543879	0.8345491	0.8392333
Phase-1 RCT-184	0.94910437	0.95109975	1 086418	1.113289	1.0548695	0.8434994	0.9874787	1.2462646	1.0845832	0.9253251	1.000542	1.020412	1.0155865
Mulidrug resistant protein-2	1.1377316	0.9754929	0.96334535	1,2336646	1,0063257	0.9693445	1,1159465	0.90260005	0.97857755	1.0331792	0.8766241	1,0517021	1.0446156
Insulin-like growth factor I, exon 6	1.3375257	0.92795897	1.1883961	0.89382786	0.76299155	1.3272829	0.98892355	1.2628298	1.2079836	1	0.6434059	1.0443228	0.7673897
N-hydroxy-2-acetylaminofluorene sulfotransferase	1.4210869	0.862047	0.8605764	1.1862419	1.2212319	1.1463763	1.111232	0.93626887	0.99692065	1.0180728	0.7773409	0.6957301	0.90052617
Dynamin-1 (D100)	1.083004	1.0541253	1.1303124	1,1238568	1.1226566	1.0708693	0.9914508	1.1510776	1,0809184	0.9648704	0.953786	0.9046612	1.0206808
DNA polymerase beta	0.9450376	1.0597925	1.0289562	1.2013118	1.164596	1.0735883	0.9201735	1,3677809	1.0717434	1.118382	1.0351001	-	0.89738706
	2.2.2.2.2												

Phase-1 RCT-173	0.8838982	0 8587131	0.84953576	1 0026357	1 1700146	1910100	0.0470303	0 8440400	2,00000	0.3040500	4 0404606	o Jeongood	1,0000
Ubiquitin conjugating enzyme (RAD 6 homologue)		1.1049708	0.9590718	0.93595076	1.0837789	1.0096983	1.0727031	1.2081362	1.135216		0.89657843	0.8620674	0.7407783
Ribosomal centein i 13A	1 0164361	1 0724030	0.0040772	0 744434	4 4202004	000000	0000000	,					
Phase-1 RCT-144	0 8627700	1.0121039	0.9210273	0.744 121	1.1303084	1,208862	1.0383362	1.3101004	1.2734488	1.2/34498 0.80141515	0.6314735	0.67095774	0.9062606
c-H-ras	0.9457534	0.8931597	0.9103247	0.8356773		0.625//556	1 0075204	0.6342596	0.7701768	1.1728516	1,3384553	0.93283314	1.0865451
Vesicular monoamine transporter NMAT)	1 0316079	1.0146188	0 8693986	13426971	-	0.5000473	1 2000168		0.84/831//	1 2484002	1,2000,1	1,6040704	4 6704304
Phase-1 RCT-273	1.0897249	1 0102439	0.9080202	0 998919	٠.	0 75006128	4 4367020	7,000,000	0.504401	4 0074544	4 4897077	4 4553453	1 2500030 1
Phase-1 RCT-230	1.1312366	1.2040797	1.0498688	1.0256019	_	0.87605286	1 0717218	0 75521237	0.8377724	0 97804457	1 0774776	4 0567704	1 2130482
Phase-1 RCT-74	0.9579015	0.958388	1,0176567	0.8542598	_	-	0.98530346	0.65519434	0.94628596	1.1639708	1.4542471	1.1477315	1 2377656
Phase-1 RCT-80	0,990102	0.9726635	1.0112221	1.0179411	1.1455289		0.9954838	0.7426613	0.8387808	1.0240705	1,5230335	1,377,1359	1,4239595
Phase-1 RCT-158	0.95308288	0.97225255	0.93612194	0.98467696	1.033959	0.9791077	0.9512039	_	0.76835555	1.1813928	1.252695	1.1710846	1.3804525
Deoxycytidine kinase	1.1315594	0.97106314	0.92417526	1.3464134	0.9039747	0.89387155	1.0217824	0.8110325	0.9597588	1.1327859	1,5012529	1.6648098	1,2598011
Inositol polyphosphate multikinase (tpmk)0	1.0049064	0.9390845	1.000942	1.1078931	1.0499862	0.83979603	1.0888671	0.7245202	0.81007254	0.9330619	1.2020714	1.0333705	1.0695688
Neuronal cell adhesion molecule (NrCAM)	1.0408279	1.0284044	0.9097981	0.9661187	1.0197055	0.92122096	1.0744258	0.7839395	0.7782084	0.8808523	1.122529	0.9564491	0.93272525
Hepatocyte growth factor receptor	1.0459961	0.99417686	0.8899806	1.1748457	1.0043381	0.96964306	1.0151324	0.92755115	1.1150968	1.100571	1.1107734	0.7348111	1,339686
Empty	1.0094615	1.1089317	0.9224329	1.0434417	_	0.88055285	0.94297147	0.6225381	0,780011	1.1053021	1.6536826	1.4317169	1.7333708
Doparnine receptor D2	0.92691916	0.9645155	0.8928493	1.1920971		0.9448614	1.0599358	0.9223211	0.87682945	1.0079424	1.1409167	1.2206476	1.1240343
Phase-1 RCT-51	1.1155324	0.99533933	1.0314457	1.1335793	0.9340335	0.8058354	0.97467315	$\overline{}$	0.84691036	1,0541251	1.0623853	1.2487298	1.4505066
Four repeat ion channel	1.0300087	1,0453948	1.1310295	0.92507875		1.0282454	0.989981		0.94629234	1,1356676	1,399454	1,2191865	1,4182731
Agrenamedulin	1.0511472	1.1047113	0.97388244	1.1368746		0.6433748	1.2372724	0.5750548	0.76190263	1.1702843	1.5796044	1.411263	1.823494
Caveolin-3	0.89635944	0.99092317	1.0530536	0.92778057		0.99410635	0.99245113	0.6662086	0.940202	1.1252089	1,382913	1.3832601	1,233814
Phase-1 RCT-129	0.98179686	0.96859443	1.0263332	_		0.9366665	0.9673344	0.7172027	0.93076926	0.9996381	1.3522024	1.2218457	1.1752298
Phase-1 RCT-64	1.1532372	1.1189166	0.7367089	=		0.88154256	0.9509582	0.7547762	0.81195825	1.1254554	1.3517169	1.3310591	1.2090197
Sarooplasmic reticulum calcium ATPase	0.8963311	0.9448483	0.8549106	1.0980353		0.88023955	0.9434656	0.93334544	0.7828621	1.031992	1.076812	1.021135	1.2111491
Phase-1 RCT-79	1.16101	1.1132923	1.0366632	0.9471094	0.9724482	_	1.0386118	0.75514764	0.8430405	1.1082958	1.1300019	1.0990008	1,3801471
Phase-1 RCT-252	1.6928675	1,1051726	1.1458398	0.8258899	1.0069672	1.0605967	0.8545946	0.9834451	1.1517278	0.9136368	0.57601845	0.9088007	0.9730013
Phase-1 RCT-151	0.92966765	0.9729272	0.95482564	0.89156586	1.1176484	1.0236223 0.92892337	0.92892337	1.0121589	1.024806	1.0729907	0.880493	0.97845687	0.88850635
Prizze-1 RC1-70	0.9452626	1,0668652	1,1000259	0.7009177	-	1.0151467	0.9750679	0.83289166	1.0995027	1.4357742	0.98912215	1.0265446	1.0672984
Present RC1-150	1.3264298	1.0998583	1.1130745	0.9071405	_	1.0059533	1.0828079	_	1.1872263	1.0519725	1.3077832	1.0130416	1.0283952
Dhace 4 Dort 440	0.81390357	0.9295583	0.87555104	1.0389823			0.9373752	-	0.88437545	1.1049305	3.6162329	1.4139266	1.3786933
Demolectical Statement Cot Malesco	1.4931554	1.0/6/2//2	1.158/216	0.9855443	0.95423887	1.2009099	0.92680645	0.97080475	1.1091257	0.99971825	1.1066625	_	1,2521435
Phoen-1 DCT_146	1.02001/0	1.03/8031	1.0633832	0.3/3/9852	1.0076243	-	1.262289	1.2503115	1.1888382	0.67196983	0.9210687	ᆏ	0.83462566
Simemide dismittee Mn	0.0516340	1.1239013	1.01/3331	1.003929	0.8735628	0.7550023	0.97443444	0.6896707	0.7753984	_	_	1.358435	1.7968428
Phase-1 RCT-115	1 0123153	1 0969859	<u> </u>	0.8070321	0 0410452	12/21/2000	7.27.105004	1.0162/34	1,0499387	-	-	0.91385806	1.0183172
Alpha-1 microglobulin/bilamin precursor (Ambb)	1.4168785	0.97432953	_	1,0291631	1.068309	1 0768587	1 112284R	1 3261805	1 12/3858	0.0668763	1.1200496	10/0182-1	1.1660358
					2	700000		200	1.1440000	0.0000		0.31000124	0.32620
Phase-1 RCT-18	0.91250557	0.9403433	1.0579298	0.9155904	8	0.8684645 0.94238067	0.94238067	0.8409452	0.9745752	1.0448239	1.3321319	1.3134639	1.0246598
Maskn	1.0370635	1.0283298	0.95689213	1.1765488	-	0.81359035	1.1232535		12302564	1.1068542	1,3922881	1.218659	1.3847984
Detail	1.0666356	1.2155205	1.3315581	0.99062175	0.8174507	0.7491512	1.0718565	_	0.84206533	-		-	1.5653833
College audolo cold biodice contain (ONDO)	0.917.2483	1190005.0	0.8422882		0.884228		0.9308312	0.93778616	1.0606284	_	-	-	0.96438247
NADPH cytochome PASO oxidoreductase	0.9867196	4 DERATOS	1.0164/41	0.74400544	4.0724033		0.91626663	1.2089694	1.0581514	0.8198031	0.8316968	0.7568128	-
Malic enzyme	0.5328429	0.9595101		1 027181	0 6405788	0 7011460	1 0604517	79283207	0 88 68 039 A	4 4043045	1.0139718	226206900	0.0019/85
Caspase 1	0.88698703	1.0923139	0.9358905	0.9580676	4-	_		-	0.7865203	1.1848359		1.6078572	1 4715712
Cystatin C	0.8636607	0.839111	1.0804843	1.1344842	-	₩	1.0406481	1.0578218	0.9168271	0.90232724		-	0 98628247
psecoc	1.1242343	0.9409784	0.9477983	1.0280762	0.8145025	0.9878539	0.9704976	1.064472	1.1062902	0.9070498			0.9113011
Poly(AUP-ribose) polymerase	0.9469108	1.0371351	0.9419241	1.0171349	0.9688042	0.8038477	1.0195795	0.9571172	0.94630635	1.0409384	1.2128718	1.0137104	0.96823794
Lissue plasminogen activator	1.0563409	0.9994006	1.0890807	0.89747626	0.9061817		0.97209966	<u>ω</u>	0.94294983	1.0360544	1,330973	1.1808129	1.1548795
Multiplies is a second of the	1.0264012	0.9975502	0.9491992	0.7844509	1.0686489	1.0062871	1.0926293	1.0733273	1.0481701	0.9899074	0.95893284	1.0288575	1.0520599
Priese-1 RC1-20/	0.98046327	0.94753957	0.8722201	0.93187195	1.0971515	0.8690403	-	0.740266	6	-	0.9848231	0.8958582	1.0355797
Can tendion manufactor design	1.002700	1.000000	1.0347914	0.857415	1.0540012	1.1096098	-	0.98387045	0.955385		0.90765107	_	0.9643458
(Gjb1)	.06/02/2	2003003	171.1	U.55480Z1	1.059991	1.1455916	1.0789328	1.1173323	1,4825072	0.88370498	0.55586237	0.9831976	0.88455965
Aquaporin-3 (AQP3)	1.0444683	0.9919807	1.0231365	1.0032977	1 0756328	1 022894	0 96959007	0 83626395	O 78RGR1R5	1 1400045	1 224/100	1 DOD-SOEA	1 1300035
Myelin basic protein	0.98854214	0.86815825	0.9193025	0.8162658	1.018624		-		1.0296215	_	0 92000335	0 7823105	0 6479649
Calgranufin B3	0.9282232	0.94563395	0.89875513	0.89417917	1.1159426			275	0.87681655	-	1.1789044	1.0412870	1 1096374
										1100000000		1717	

						1000000	020000	4 2002004	4 0407800	0.8004171	0.83777305	0.98051465	0.7652895
Phase-1 RCT-156	0.7737887	0,80609363	0.7737887 0.80609363 0.88035931 0.8290314 1.0232303 1.0727032 1.202200 1.012103	0.8290314	1.0282263	RECORDO!	1.0721032	1007007	201010	10000	4 2500000	4 4704049	4 280854E
Destruction activator 28 alpha	0.8700985	0.9842858	0.8700985 0.8842858 0.97189367 1.2974045	1,2974045	0.7578311	0.7578311 0.80755854 1.1085005 0.6941042 0.88059264 1.2056191 1.2596033 1.1101913	1.1085005	0.6941042	0.88059264	1.20261	7,23,0035	1.1/01313	
LINESSOUR STRATE TO CHILD													
					Ì								
(1) Gene expression data for 72 hour timepoint						-							•
are presented as mean ratio of treatment/control										_			
for all 72 hour predictive genes (Table 23).						•							
(2) Compound and dose abbreviations as in												•	_
Table 1.						-							
(9) Individual animal mimber													
(4) Liver inflammation dessification for compound													
dose group at 72 h: yes-necr, necrosts observed;				-									
yes-both, necrosis with inflammation observed;													
no, no histopathology observed								-					
(5) Predictive gene (as in Table 23 and as					,								
Included in Table 28)				-									

		_	_		4					i		
	٦		П			Ţ						
		_	_		-			KETO 20	KETO 20	KETO 20	_	KETO 80
	1229	1967	1958	1959	1947	88	1843	7227	87778	RVIZ		8877
2												T
0.9238539	0 9724597	1 1931278	1 0206343	1 0351357	1 0104604	1.0258583	1.1820911	0.6416078	1.0320272	1.1648693	0.75789845	1.0401232
	ıЧ	1.8948418	1.1372718	0.8495852	1.1479098	1.0800139	0.7808873	1.0489192	0.5996926	1.9307102	1,5501614	1.8862896
1.0001093	0.9472914	0.8768196	1.0670022	1.0276155	0.9705562	0.9651532	0.94811374	1.0018058	I	0.94412863	0.96083796	0.9179581
	0.79652864	1.3653011	_	0.87953824	1.0396953	1.0168067	1.1710697	0.7392199	1,3668108	0.9729657	-	0.95101357
1.1643682	1.3231387	0.76272845	0.8309621	0.8831849	0.78251094	0.86158174	0.89959484	1.550108	0.7128838	1.3732378	1.2340543	1.4588
1,1610914	0.9130394	1,3600566	1.1024819	0.96544725	1.0325769		0.90455335	1.0619867	0.6914315	1.6789665	1.4707156	1.8079067
0.99907774	1.2447653	1.1789727	0.78156215	-	0.80809504		0.99406743	0.85827816	1.092706	1.1209897	1.0150378	0.9121893
0.97377414	1.0412716		0.84801835	_			0.93961823	1.0602272	0.946383	0.9996186	1.0283956	1.2066067
1.1023988	1.1535336		0.9479887	_	0,94046235	0.8964328	1.0369449	0.93003837	0.94595987	0.98004943	0.9413398	0.921587
1.0635214	0.89963526		0.73109424	_	0.64756256	0.7869531	0.90721905	0.99457186	1.0039778	0.96073323	0.92229676	0.981008
1.2242782	1.0988606	1.0556896	1.2330841	1.15/032	1.0941331	0.9679047		1.0618103	1.1/25001	4 2424070	1.0002230	1.04(20192
0.84304804	0.7648602	1.4415585	1.2123091	٦ta	0.75564709	0.007200		1 06583		0.0512488	0.0036955	1 0165778
4 4060158	1 2150017	4 362988	1 4012897		1 4014689	1 5576108	1 2979586	0 7341641		1.0891885	0.9635441	1,1078879
0 9411005		1 2314739	1.1811662	1 027188	1.0490971	1.0361731	1,1718973	0.94427115	1.0848058	0.8871577	0.92398316	0.8651074
0.64758784	<u>'L</u>	1.8633434	1.1439337	+-	:	0.88899964	1.6872816	0.5330267	0.9902627	1.1902028	0.6897563	1.0768687
0.73315126	0.7853391	1.7397798	0.9991461		-	1,1051009	1.1931669		0.75444365	1.0583967	1.1527449	1.6593752
1.1369187	0.7033049	1.5456157	1,1018753	1,1668067	1.1170045	0.9463447	1.191083	1,1217818	0.9324276	1.2350627	1.1297058	1.2245868
0.94287896		0.46239161	0.3609514	0.8332722	0.6996189	0.2824366	1.0095414	1,0008848	0.7307593	0.9910384	1.2110622	1.7699786
1.1093253		0.98997885	1.0097878	0.9099597	1.022914	1.0905014	0.9615251	1.0681082	1.1640416	1.0239267	0.98123986	1.0582012
0.9523318	0.8698847	ĵ	0.7828869	0.72607887	0.7607908	0.615904	0.8028833	1,2283452	_	0.88069683	1.1302642	1.0251783
0.76534104		1.0496582	0.7559514	0.8419586	0.8867726	0.8975891	0.9843528	1.3885748		0.8073932	1.2899585	1.0668842
0.7682665		1.1563323	_	0.7089642	0.7584294	0.709752	0.81847245	1.0082266	1.060673	0.98433965	1.2145565	1.0984287
0.80/8513	ΞΙ.			0.82691497	0.830/351	0.0240023	201000.0	1.140114		1.0430371	4 440644	1.1010/3/
1.0956489	ᆀ.		0.99722874	0.8519653	1.0301463	0.922/036	0.9106160	1.1403410		0.8913000	0.0886286	0 9606819
0.0000000		-	_	1,0045042	0 000000	0.9244473	0.83306193	4 4487309	1 0748465	0.8332201	-	0 92316204
1 0554715		_	ᆟᆫ	0.8508245	0.8461877	0.8057514		10	0.9299306	1.063261	-	1.0734273
0.8841631	_	0.6746154	0.6951712		0.65145415	0.7143802	-	L.		0.85238238	1.1090308	0.9010714
0.9822825		_	0.859571		0.96277153	0.8373591	0.9494024	1.0972673		0,8997114	0.8990919	0.903918
1.0423484		1.1089727	0.9760979	1.1326138	1.0424485	0.9891527	0.9927568	1,2119931		1.0999397	1.0738385	1.0942107
		1.014138	_	क्री		0.9577834	0.9520295	1.3018655		0.8504744	1.0238671	0.8010121
		0.47964573		ह्रो	0.47289308	0.48687539	0.48030517	1.14//8/	1	0.923061	0.33120303	1,0200942
0.772865	_	1.0459778	0.93031314	0.0230003	0.6504094	0.047 19140	0.00000	_L		4 0244424	4 0606024	4 0528743
1.1576936			1.0194733	9//02101	0.8/43046	0.888869	6261208.0			1.0214124	1.0030034	10200.1
0.85605294	Ш	0.98125654	0.7499938	0.8185252	1.1537331	1.0010753	0.70596606	Ξ	0.8682198		0.9713573	1,246067
1.1099238	0.9906051	1.0611308		0.9004821	1.0368588	_	1.1526465	_	1.0007331	0.9286529	0.94196916	0.8775904
1.2249824	긔	_		0.98348767	1.0201324		0.87654805		4	0.93806463	1.0084438	1.2566462
1 2203081		1.0210528	- 1	1.050503	1.088377	0.98366874	1.0112945	┙	_	1.1830842	1.2358509	1.2602623
0.8371793	1.3274584	ခို	0.58919096	0.9230226	0.7035454	0.8343072	1.14126		_	0.8279488	1.0960695	1.101482
1.1946119			_	0.8676343	0.857668	0.8568784	0.0134148		1.0960099	1.1123488	1.06//552	1,01/3423
1.0335448	4.	_		0.97801733	1.0489175	0.9655274	0.9345885	9	1.2830791	0.9041849		1,849/321
9400000	0.00472948	1	1.0740042	0.7486643	0.05231010	0.0300204 0.87650734	0 8201845	1		0 83149076	-	1.1238982
0.79030246	4 0737407			0 74044875	4 0021805	0.84124357	0.85984648	ㅗ		0 93345326	1 0602723	1.0084984
1.1024749	_			0.95807296		1	0.9250379	丄	1_	1.0113428	0.97409713	0.9663036
1.1269008		_		1.1001389	1.0749242	1.1955858	1.1723201	0.92846096	0.8764984	0.980214	0.9017626	1.0820802
0.8863336	0.85729915	0.9091716	1.1465163	0.83622706	0.956978	0.9188795	0.8879062		0.89816016	0.88592046	0.8679422	0,8338279
1.0492853		1.417487	1.0491544		_	1.3424087	1.1562974			0.84425545	1.0721177	1,2694421
1.0918578	1.1815111	0.8710998	1.0608941		_	0.857086661	1.1711934	_		1.1822474	1.0432931	0.9894872
	0.9228533 0.9228533 0.9272843 1.0001033 1.1643682 1.1643682 1.10234278 0.04334804 0.04334804 0.04334804 0.04334804 0.04334804 0.04334804 0.04334804 0.04334804 1.04534104 0.04334804 1.04534104 0.04334804 1.04534104 0.04334804 1.04534104 1.04534104 1.04534104 1.04534104 1.04534104 1.04534104 1.04534104 1.04534104 1.04534104 1.04534104 1.04534104 1.04534104 1.04534104 1.04534104 1.049380008 0.89804017 1.166692 0.89804017 1.10492883 1.10492883 1.10492883 1.10492883 1.10492883 1.10492883 1.10492883 1.10492883	10 10 10 10 10 10 10 10	National Processor 1,1931278 1,19312	National Processor 1927 1927 1927 1924 1927 1924 1927 1924 1927 1924 1927 1924 1927 1924 1927 1924 1927 1924 1927 1924 1927 1924 1927	National Processor 1967 1968	National Processes 1957 1958 1957 1958 1957	National Processor 1957 1958 1958 1957 1957 1957 1958 1958 1957	National Processor 1957 1958 1959 1957 1958 1957 1958	100 100	228 1528 1629 1629 1629 1621 1629 1629 1621 1622	120 120	Telephone Tele

Phase-1 PCT-58	4 4457094	4 4000044	4 4000004	10000000									
Cyclin G	0.9557993	1 8044132	1.1055654	2212100.1	1.1094847	1.0234134	1.0023066	1.0443586	1.045464	1.0570312	1.0127146	0.9530968	1.0354431
Hypoxanthine-guanine phosphoribosyltransferase	0.93359685	0.8972337	1.009886	0.9023998	0.86608803	0.89977777	0.86177707	0.838232	1.1129258	0.9299717	1.0987909	1.0356863	1.0728774
Teens inhibitor of metallonestedeness	4 0055400	0 00000											
10-1	1.0003102	0.938503	0.90510605	0.89252855	0.950838	0.9467795	0.97398204	0.98894864	0.95656615	1,0904644	0.0954701	1.000822	0.99509764
Ribosomal protein S9	0.92808616	1 0046872	0.82477633	0.80341300	0 84234657	0.04090950	1.01/88/	0.8925804	0.9001629	1.1181687	0.6724812	0.8473002	0.8433445
Heme oxygenase	1.3939224	1 1699336	0 7914852	0 98205984	0.8778708	4 0470788	0.0104092	4.0547059	1.00003	1.1300338	0.8008/38	1.176602	0.9088898
Ribosomal protein S8	1.0336319	0.77654797	0.92599668	0.7863433	0.8520291	0.88942835	0.75081057	0 836504	1 4008447		0.86278475	4.06794/B	0.803906
Ribosomal protein S17	1.1602547	0.94836205	1.0126443		0,87918985	0.9332551	0.84847856	0.835559	1 1353085	1 1709388	0 8701046	1 082541	0.9672100
Nucleoside diphosphate kinase beta Isoform	0.95483506	0.91441363	1.0934058	_	1.0173595	0.99994075	0.9277206	0.9048863	1.1740694	0.8725343	1.02956	1.0435872	1 0018204
Phase-1 RCT-121	1.1590191	1.2677963	0.9484252	1.0323154	0.9396453	0.98994464	0.9841719	0.99462473	0.86273414	1.0812109	0.9921852	0.8820637	0.91342056
14-3-3 zeta	0.93471634	1.0358732	0.95117635	0.9930174	1.0079476	1.0025388	1.043877	1.107657	1.0867069	ន្ទ	0.90598935	0.9077148	0.99430054
60S ribosomal protein L6 (alternate clone 1)	0.9951622	0.78815633	0.9734075	0.85851187	0.9200934	0.91296506	0.87362933	0.90200293	1.1547095	-	0.91178274	1.0019065	1.0195385
Beta-tubuin, dass I	1.228812	0.95614934	1.5873781	0.8874254	1,0625975	1.1444376	1.3345822	1.094264	1.1831266	0.73178226	0.80482703	1.1201948	1.3746914
Organic cation transporter 3	0.92342997	0.9669904	0.8637666	0.8576639	0.8247593	0.9058525	0.9200178	0.9396762	1.133396	0.98089546	0.79154074	1.0270245	0.9387722
bera-adın G-11	0.7530984	1.0266814	0.62919927	0.4605782	0.42227265	0.66191316	0.5855487	0.50706995	0.8893366	0.86290747	1.027671	0.68949115	1.287639
Carnepsin S	0.87748337	0.74697304	0.7136519	0.81810015	0.7940272	0.77896744	0.7910013	0.87187	0.91367584	0.9466658	0.90902096	1.0471793	0.9397074
Siliverdin reduciase	1.0694534	1.112238	1.0203062	1.0208349	1.0866367	1.055083	1.055083 0.98349744	0.9461063	0.9538349	1.0320388	1.0425723	1.0212481	0.9413747
Present RCI-154	1.1594939	1.0921053	1.2451885	1.0335827	1.1074816	-	0.9633005	1.0217227	1.0685546	1.0149292	0.95509297	1.0831414	0.93160325
riese-i RCI-ZB3	1.1569672	1.1019789	0.79167145	0.8300292	0.8399776	0.7238581	0.77311563	0.8844661	1.0460149	0.9762187	0.97028336	1.033324	1.0379231
Amexin V	0.81069285	0.9115061	0.7916028	0.7947308	0.90208185	_	0.85258925	0.88230683	1.2992718	0.9431049	0.76199424	1.1272128	1.0546576
Companient rador I (CFI)	1.1287568	0.95278984	0.8749739	0.9623108	0.9070067	0.9980918	0.908288	0.93366283	1.0352032	1.0682417	0.7818894	0.97330207	0.9011235
FIESG-1 RC1-2/6	1.078149	1.1735798	0.984979	0.9446914	0.97972226	ᆲ	_	0.93848664	1.0179839	1.0932926	1,0003614	1.0360373	0.81815094
Lyrosine ammodalisterase	1.0081086	1.8485187	0.82441723	0.50107473	0.8231771	0.93480267	0.91575366	0.91681457	1.480053	1.0404547	0.8643437	1.1193905	1.1165731
Grundurer peroxidase	1.1649842	0.67515457	1.3031887	_	1.1454928	1.1001376	9	0.70119596	1.0520985	0.88142914	0.808008	0.9147712	0.81573784
Histigine-rich glycoprotein	0.8504877	1.0941741	1.3701631	-	0.77418756	0.9783041	0.6549906	1.0245805	1.2539189	0.89169174	0.78548074	0.81735253	1.1997936
Carbonic annydrase III, sequence 2	0.8281089	1.1515821	1.3362929	1.0635456	0.74878974	0.91378003	0.6676382	1.037949	_	5	0.76464206	0.7579282	1.1513646
Transitional andoninamia minimitan ATOma	0.98/6/96	1.0391356	1.1277277	0.9322087	0.9309417		0.9519252	0.8771798		0.8288875	1.0285312	20853417	1.1797591
Phase-4 RCT-88	4 0750440	1.1912084	0.78030443	. .			0.83396274	0.7378725	0.8006858	0.92899495	0.8757679	0.9129844	1.0203118
Phase-1 RCT-298	0.0550730	0.0500707	4 0007750	0.9503861	0.93444335		0.87333198	0.9813055	1.1427572	0.8877189	0.81976604	0.8402405	1.1647652
Phase-1 RCT-181	1 0045604	4 0430438	001/0701	=+=	1.031/034	0.9034109	1.1878276	-	1.1312673	0.6068998	0.6869582	1.2119234	0.9627537
Glidathione S-transferase theta-1	0.00000	0.0477595	0.018200	٠.	_	0.87908864	0.7428916	_		-	1.070837	1.0837693	1.5882101
Prese-1 RCT-168	4 4424754	4 460370	0.53143543	0.9041/69		0.92532897	0.8431193	8	8	2	0.63668317	0.65782213	1,2328202
Phase-1 RCT-182	0 84730893	1 0397791	0.2413104	-	0.83943116	1.01//328	1.1125826	1.1176744	3	_	0.92953336	0.8598128	0.8031051
JNK1 stress activated protein kinase	0.618183	0.78250057	1,1132449	1 2010175	0.01032743	1 0188072	1 1004502	0.7633097	0.7731283	1.0735687	0.78082128	0.949823	0.8184827
Phase-1 RCT-81	-	0.96191543	0.9978403	1.030735	1 0455397	1 510758	1 0398685	0.927 10334	4 0603282	4 0843957	1.0434995	1.05/4105	1.1520/83
Phase-1 RCT-33	0.8898896	0.87396353	1,5780809	1.1403052	.160	0.97107138	1.0277582	0.7743907	1.0611541	0.8695908	0.9518659	0.88513553	0.81468654
Phase-1 RCT-178	0.6895805	0.743406	1.8198166	0.9912769	1.2074548	0.8736844	1.0929282	0.9747209	0.7181717	1.3220227	1.3921837	0.5768883	1.0122626
Apolipoprotein CIII	0.93274456	0.93514663	0.90710926	0.8639609	0.7635312	0.86707634	0.7750191	0.88043934	1.1074739	1.0116828	1.062951	0.9106597	0.9880711
Present RCI-88	1.167825	1.1131845	0.9369493	1,009007	1.0517182	1.007516	0.9938309	0.9800997	0.9941011	0.966181	1.0519491	1.0575081	1.1521331
MADIT-CYUCARONE DO FEODCIASE	1.192851	1.0219376	1,2048662	-	0.7384718	0.8285973	1.0280107	0.84130514	0.9148298	0.83594424	1.1188066	1.050827	1.0733604
Obere 1 DCT 200	0.94624627	0.9059076	0.31277362	_	0.80527216	-	77.26	0.74718994	0.82563776	\rightarrow	0.78118896	0.91631407	0.788213
Parawonasa 1	1.40/8891	1.2812454	1.0790544	_	0.96017087			1.0244256	1.0854434	婛	0.97564393	0.9465771	1.0613137
Dresentin.1	1.0020033	0.00000014	0.078670.0	-	0.61224145		-	0.62595284	1.1025195	-4	0.86260515	1.0941684	0.9917534
Apolipopolein C1	0.807 18830	4 450085	0.3221003	0.0000000	0.78135248	0.8581215	2	0.78493977	0.9684903	ø.	0.92493516	_	0.85556376
Cytochrome P450 2C23	0 9814393	0 9565458	0.08707175	-		0.70035/33	0.7024622	0.0828909	1.0450132	1.2988476	-	-	0.92545545
Phase-1 RCT-227	1,1679405	1,0021831	0.75513446	0 6448778	0.20000020	0.8452017	0.96306046	0.76788024	4 4 700037	1.1111925	0.6322894	2292	0.84643817
Hepatic lipase	0.7865629	0.83866256	0.75772005		0.66033167	0.7850535	0 79254097	0 5821798	1 1251222	0 6700703	1 0490075	0.00769000	1,0305101
Phase-1 RCT-164	0.8532649	1	1.0821102	1.0977409	1.047336	1.0390987	1.0663508	1.0163997	1.1685184	1.0252593	-	1 0083412	0 9972074
Multidrug resistant protein-2	0.8116767	0.72092265	0.9878545	0.9300833	1,1164813	0.9513398	1.0366532	1.0207151	0.6855845	1.0431606	0.8054094	0.83145714	0 7792258
instillin-like growth tactor I, exon 6	0.75646245	0.8652008	1,2535574		0.91945076	1.0073394	1,0590205	1.0082982	1.3872732	0.833457	1.0006926	1.0401957	1.1763947
N-trydroxy-2-acetyfamtholfuorene suffotransterase (ST1C1)	0.9083827	0.880648	0.82286	0.6327095	0.7273149	0.72810525	0.44323933	0.88878417	1.0856069	1.0558393	0.8776359	1.1009021	1.0590694
Dynamin-1 (D100)	1.163745	1.0504559	0.96143854	1.0309279	0.9937413	0 98861444	0.9982142	1 0442502	4 0024709		0270070	0 00000	4 4000004
DNA polymerase beta	0.836895	1.0333169	0.9122549	0.8274902		_	0.79786307	0.8689438	_	0.90412116	1.0724361	1 2063758	1.1050634
					4					100			201010

Phase-1 RCT-173	0.9259898	0.97009766	0.9899864	1.0957845	0.95501757	1,0390466	0.8508195	1.061977	0.7316827	1.1358261	0.9940911	0.9824165	1.084026
Ubiquitin conjugating enzyme (RAD 6 homologue)	0.8526225	1.036951	0.8187173	0.9174989	0.91157705	0.97316235	0.9687681	1.0050666	1.0779992	1.0539842	0.8922252	1.0918848	0.91699594
Ribosomal protein L13A	0.9153389	0.71342987	1.2782404	1.1156323	1.0607251	1.0341544	1.0566301	1.1029173	0.95553935	1.0579706	0.8807319	0.87151265	0.8388116
Phase-1 RCT-144	1.2078208	1.1315463	0.8841462	0,88611853	1.0560048	0.9422835	1.3572382	0.9998572	1.1832355	0.9952699			0.94501215
o-H-as	0.8352328	0.70270294	1.2842847	1.1323174	1.1557741	1.1694304	1.1775341	1.1464986	0.99804145	1.063653	0.9519904	0.92782	0.90664244
Vesicular monoamine transporter (VMAT)	1.3577291	1.1107303	0.98661685	1,099026	1.0856957	1.014851	1.1979204	1.1139098	1,0171547	1.1191169	1.1877664	1.1036023	0.9717845
Phase-1 RCT-273	1.2482009	1.0463893	0.98558435	1.0303439	0.9598427	1.0142138	1.0191325	1.0514371	0.8055237	1.2301352	1.1621027	1.0369163	0.98304266
Pridse-1 ACL -230	1.1906080	1 0811804	1.1163/9	1.126/4/9	1.0906312	4 0040478	1.1082/14	1.028396	0.85654005	1.1562042	1.15126/8	1.0514365	1.04046/5
Phase-1 RCT-80	1 1734865	1 0492282	0.972923	1 0517682	1 0983976	70076001	4 CBR 2748	1 2031457	0.00412807	1 1380451	1 2768347	4 07777946	1 0128786
Phase-1 RCT-158	1.2110095	1.2489781	0.9054163	0 9963576	10169151	0.98555094	0.9600318	0.9539014	0.8315605	1 1345698	0 99591553	0.9174224	0.8537157
Deoxycytfdine Idnase	1.4005208	1.0196227	1.0107285	1,1015791	1 1619099	1.0184885	1112991	1.0182487	0.9200802	-	٠	0.87961674	0.7826121
Inositol polyphosphate multildnese (Ipmk)0	1.0365821	0.98569506		1.0404209	1.0294106	0.9485223	1.0285974	1.0200483	0.96		_	1.0790672	1.0238128
Neuronal cell adhesion molecule (NrCAM)	0.99397534	0.93811524	1.0275081	1.1244836	1.0822332	1.1309347	1.4707499	1.0949786	0.7605791	1.1749704		0.94269335	0.982686
Hepatocyte growth factor receptor	1.0601803	0.95777464	1.0847012	1.1724561	1.2791624	1.1096693	1,2373956	1,1146291	0.82840544	1.1471714		0.882582	0.96512425
Empty	1.3164663	1.0513295	0.97034454	1.0615968	1.0994933	0.99823433	1.1082498		0.4850862	1.2380527	1.2498993	1.0819833	0.8408314
Dopamine receptor D2	0.9735164	0.97997683	0.98636675	1.1028165	1.0340681	1.0216401	1.197543	0.9805276	1.2202303	0.982112	1.0354171	1.1020715	1.1297442
Phase-1 RCT-51	1.368544	12340624	1.0846267	1.095361	1.0603758	1.0246074	1.1389792	1.0283498	0.96631354	1.0017758	1.0927024	1.0223778	1.0533367
Four repeat ion channel	1.237428	1.1188577	1.032285	0.9721668	1.0464317	0.9850679	1.0506669		0.89754605	1.1731018	1.0768412	0.94351065	0.93401325
Adrenomedullin	1.5238719	1.1397445	1.0016323	1.1498233	1.1131228	1.0471852	1.2060229		0.67788893	1.3921436	1,409295	1.1051668	0.84493023
Caveolin-3	1.182052	1.0349427	0.92878675	_	0.9455404	0.9008501	0.97697484		0.838622	1.0947324	1.1336966	0,9459022	1.0545743
Phase-1 RCT-129	1.1662989	1.01828	1.0808021		0.98486834	0.9789132	1.0313575		0.84073555	1.0931797	1.1867175	1.0971638	1.0114973
Phase-1 RCT-84	1.1638447	1.183551	0.95977044	0.9647449	1.1703126	1.0366036	0.98036474	0.968217	1.0171539	1.028693	1.017443	1.0499127	1.0020676
Sarcoplasmic reticulum calcium A i Pase	1.0424198	1.0811398	0.8161457	0.8651067	0.8474566	0.8393735	0.9980328	0.94837767	1.0891873	1.0511452	0.99600315	1.0052936	1.0280753
Priase-1 KCI-79	1.2373627	1.0220457	1.08855	1.0817786	1.0752407	1.0025477	1.0840537	1.0007478	0.9953311	1.0783892	1.1033069	1.0857148	1.0502185
Phase-1 RC1-252	1.0457082	1.1593858	1.2499156	_	1.1343902		1.0650061	1.0795904	1.1321471	1.1659007		0.97352415	1.0636984
Phase-1 RCI-151	0.94124436	1.0289825	1.0702791	=	0.83441865	_	0.94550186	0.9939296	0.9584015	0.8876206		0.98726904	1.0896717
Phase-1 RCI-70	1.0777615	0.976214	1.10157	1.0128226	1.044873	1.0572181	1.0397488	1.0696398	0.96638167	1.0922894	_	0.8735832	1.3330436
25. had manifestin D. 1 of the hydroxydese	4 4500077	4 484495	1.302/039	4 054 5 405	4 000043	1.1003/00	1.1770283	0.000004	0.000/008	1.1408401	-	0.9101900	0.0042054
Phase 1 RCT-149	1 2058302	1 1534487	1.0003038	1 1123003	1.0906257	1.0431263	4 4020402	4 002020	4.0644906	4 2000005	4 4057424	1.000000	4 4200224
Pemalsomal 3-ketoacy-CoA thiolase 2	0.82117605	0 80708894	1 1354029	1 2043141	1 1186744	4 2886838	4 4036228	1 3057330	0.0174658	4 0702273	1 0818802	7408208	0.0855004
Phase-1 RCT-146	1 4474351	1 4390094	0.91928855	0 9919388	1 0510813	1 0046166	1 021374B	1 0000730	0 9290537	1 0854278	1 0088149	1 0845697	0 981005
Superoxide dismutase Mn	0.9846898	0.807842	1.4188679	1.0828524	1.2205307	1.1197899	1.0768788	1,1350104	1,1116402	1.0823654	1.0181247	0.9709012	1,1036159
Phase-1 RCT-115	1,2968917	1.0473993	1,1028868	1,1539742	1.1811925	1.1409703	1.1622536	1.1189976	0.70662826	1.0806592	1.1213825	1.0542938	0.9970416
Alpha-1 microglobulin/bikunin precursor (Ambp)	1.0114069	0.95753765	0.9742202	0.939552	0.903801	1.0374234	0.8097115	0.9424318	1.1227962	1.0573705	0.966149	1.0744686	1.0001813
Phase-1 RCT-18	1 0015126	4 0348438	4 0204403	0 0904205	4 0353380	0.0824033	4 0420603	4 0408080	0 0000030	4 008422	1 0330005	0.04380007	0.08404005
Masoin	1 3349398	1 0943972	0 94964314	1 0901109	1 0471873	O 9848814	1 1254734	1 0565989	0.8577701	1 1742934	_	1 049484	0 0181003
Decorin	1,3143756	1.0050756		0.56254447		0.52818614	0.54028984	0.6758401	0.90618885	1,287,1516	1,1246088	0.9970209	0.9094235
Retinoid X receptor alpha	0.81201833	0.7956547	1.0102285	1.103093	1.0964313	1.0700383	1.1867995	1.1043088	-	0.85001113	1.0220878	0.964001	0.9706469
Celtutar nucleic acid binding protein (CNBP)	0.8027088	0.8188231	0.8325287	0.72232753	0.7907036	0.76623803	0.74786776	0.8000132	1.0316664	0.9295343	0.8934838	0.9949008	1.0246934
NADPH cytochrome P450 oxidoreductase	0.8384586	0.83724797	1.4898397	1,3536533	1.2210888	1.4022211	1.6690288	1.3055199	0.760504	1.171578	1,1249125	0.9905728	1.0957007
Malic enzyme	1.2600942	1.1720154	0.9485513	0.91543573	1.0422187	0.968275	1.3543574	0.8326716	1.3330122	0.61323154		1.1307608	1.1531081
Caspase 1	1.2244496	1.2168511	0.9704605		1.0549729	0.99764057	1.030336	1.0419173	1.0419173 0.93951154	0.96503204	-	0.87521476	1.1066692
Cystalin	1.1439326	1.0246291	0.68/9881		0.851/9955	0.8704144	0.7026129	0.904/3396	0.99253/28	-	0.8428894	1.00030191	0.9143026
Poly(ADP-rings) notymerass	1 0731474	1 0832043	0.037 1033	0.2020210	0.08704803	1.0933336	1.0924587	1.0393834	0.013033034 0.78043934	0.95/5/65	0.92330476	1.015/21/	1 020410
Tissue plasminogen activator	1.1202401	1.0666279	1.0397718		0,99932224	0.9744575	0.9928303	1.0137897		0.9543054	1.0671182	1.0410353	1.0798628
Multidrug resistant protein-1	0.7878397	0.8503421	0.99180975	<u> 1</u>	1.1281227	0.91766363	1.0657707	•	0.46335766	1.3605262	1,1036029	0.8338357	0.8473235
Phase-1 RCT-207	0.99105245	1.0285404	0.9452741	_	0.88006496	0.93275267	0.8542062	0.8952722	0.8909985	1.0690686	0.96978045	0.8851261	0.9768459
Phase-1 RCT-181	0.9684997	1.0190814	1.4127065	_	1.0840853	1.1825291	1.3157303	1.0776811	0.99203086	0.9862884	0.8542957	1.0564018	0.8656041
Gap Junction membrane channel protein beta 1 (Gib1)	0.9741323	0.77976716	2.0753279	1.9490429	0.9713983	1.727148	1.6838608	1.573117	0.7520578	1,2235538	1.5970058	0.8188546	1.435217
Aquaporin-3 (AQP3)	1.300238	1,1355637	0.8886746	0.92152333	1.0280287	0.92815304	0.90899074	0.92183554	0.9837914	0.9868083	1.0026027	0.9955408	1.0201402
Myelin basic protein	0.82113564	0.82259727	1.177384	1.0926591		1.1076516	1.1154573	1.148134	0.76206666	-	1	0.81371695	0.8303029
Calgranulin B3	0.97203416	1.2430694	0.99447197	0.94548235	0.96070373	1.0579875	0.9639002	0.9488586	0.97669196	-	-	1.0234357	1.0269551
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Phase-1 RCT-156	0.9743834	0.9743834 0.97080834 1.0422528 0.9807407 0.92531216 0.9820789 0.923610d 0.9336618 0.9608464 0.95014036 0.9285221 0.83065945 0.84696456	1.0422528	0.9607407	0.92531216	0.9820789	0.92396104	0.9336618	0.9608464	0.95014036	0.9285223	0.83065945	0.84996456
Professome activator 28 alpha	1.2557881	1.2557881 1.1518234 0.6509741 0.65945985 0.7278985 0.78140306 0.7106207 0.6948155 0.88500973 0.8277978 0.8208424 1.0101173 0.9269862	0.6509741	0.65945995	0.7278985	0.78140306	0.7106207	0.6948155	0.98500973	0.8277978	0.82098424	1.0101173	0.9269962
			_	-									
(1) Gene expression data for 72 hour timepoint are presented as mean ratio of treatment/control													
for all 72 hour predictive genes (Table 23).													
(2) Compound and dose abbreviations as in Teble 1.													
(3) Individual animal number					-								
(4) Liver inflammation dassification for compound													
dose group at 72 ir yes-ned, nedrosis observed; yes-both, necrosis with inflammation observed;													
no, no histopathology observed			•										
(5) Predictive gene (as in Table 23 and as included in Table 26)													

Table 30. Expression Data for 72 Hour Timepoint													
(1)													
Compound-Dose (2)	KETO 80	LPS 2	2 Sd 1	183	METS	NAL 180	MAI 180	MA1 400	70.00		T	000000	1000
Animal Number (3)	239	.347	348	38	238	123	85	859	7647	7848	NAL 40	PBAKB 20	PBAKB 20
Liver Toxicity Inflammation Classification (4) Gene Name (5)	8	2						٤	2	٤		2	5
Phase-1 RCT-107	0.77611244	0.86592567	1.6875018	1318598	1 094159	0.04420564	0 82434847	1 1768/26	0 0034500	0 04050457	0000000	4 5000016	4 0000040
Betaine homocysteine methyltransferase (BHMT)		1.405062	1.3421605	1.282184		_	1.5138712	2.465419	1 4516473	1 0031781	1 0838253	3 005202	1.0028346 2.6458706
Proliferating cell nuclear antigen gene		0.7836894	0.8905549	0.9617404	1.8337828	1.0750554	0.9811896	0.8534624	0.9251331	0.9863851		0.77887267	1.1742791
Cytochrome P450 2D18		0.94023585	1.203407	1.0045012	0.85450006	1.0298856	1.0851332	1.1026638	1.1295297	1.1131692		1.3706409	1.1056983
Cytochrome P450 2C11	1.2789942	0.9747297	1.0719885	0.7636187	2.4186213	1.0194743	0.9457214	0.8573985	0.7637638	0.82994884	0.8704967	0.99573505	0.8060056
Priese-1 RC1-280	1.2459372	1.2137754	1.1844711	1.1639888	_	1,225132	1.4778811	2.0695183	1,3822116	1.029976	1.0831784	2.647869	1.8948996
Priase-1 RCI-59	1.1382359	0.9400855	1.0823636	1.1628749	0.94103867	0.95268834	1.1535532	0.9350572	1,0512877	1.1766977	-	0.88797474	0.8559063
Beta-acin, sequence 2	1.0264846	1.2887661	\neg	0.91949546	0.68450534	0.89963114	1.2185603	1.3021172	1.1175635	1.0407415	0.9617327	1.1109042	12332952
F1836-1 RC I-292	1.0440986	0.9189843	0.8924922	1,0595169	0.9976942	1.0615056	0.9346614	1.15737	0.986367	0.9728045	0.9648497	1.2172015	1,1697378
Pythyade Kinase, muscle	0.9397318	0.9281352	1.1484793	1.0003225	1.037163	1.0201123	1.0586416	0.9792394	1,0495372	1.1428627	1.0726794	1.0011768	1.0807005
Calarantin B1	1 221727	1.1499738	1.1109719	1.073597	0.8607398	0.9489654		1.0490656	0.9978581	_	0.98913664		1,0104872
Apolipoprotein All	0 8444051	1 2653373		0.7449795	0.05041394 0.91083837	0.8645449	= +-	0.94682753	0.8478723	_	0.94287278	-	0.81929123
Connexin-32	1 116451	1 0479386	1 112441	4 0640237		0.0000003	0.0023305	1.117367	0.5854952	0.6310686	0.8620002	1.8497356	1.1971053
Phase-1 RCT-109	0 8263658	1 3273343	1 5537783	4 0420577		0.000440303	0.0102078	1.1230046	1.1060858	1,222,138	1.0914255	_	1.0515654
Glycine methyltransferase	0.61405957	0.3518358	2 5294402	1 00000		_	0.000130	0.9787239	1/6258.0	0.8944854	0.9818392	-	0.92860895
L-gulono-gamma-factone oxidase	+	0.99574655	1 2408891	0.906205	0.3002/43	1 2246456	4 26/2074		U.75422583	1.0164379	0.93615264	2.4705284	1.1170149
Phase-1 RCT-256		1.224036	_	0 94092805	0.2052/19	1 0827860	1 4005077	1.4790360	1.20/4069		1.0468926	1.1593014	1.283513
Carbonic anhydrase III	1.0903949	0.5383712		0.7744769	0.6823454	1 0058067	1 26/7706	1.0000330	1.1619/0/	_	1.98120614	1.4931709	1.464568
Phase-1 RCT-78	-	0.99130625	0.7771417	0.7548003	0.96538734	1 0002902	1 0339024	1 303004	1 226860	1,363003	1.2611372	1,539/52/	1.348/356
Urinary protein 2 precursor	_	2.222958	1.0671028		0.35709143	1.0183364		0 92198807	1 1001531	4 0705644	0.1370103	1.4/03939	1.60/9495
fnsulin-like growth factor I	1.0686615	0.91992724	0.9220709		0.8528367	_		1.3047029	1 2433594	1 0888092	1 2108288	1 1052054	4 3437048
Aryl sulfotransferase	0.77017564	1.0665056	1.108646	0.9425279	0.83247095	1,1731498	1.0158004	1.8164462	1.1566014	1.1529832	0.8945543	1.8261693	1 3384303
Phase-1 RCI-185	0.8483712	1.9025799	0.8378099 0.92367095	0.92367095	0.7206132	1.1988113	1.2071902	1.3260621	1.2685473	1.1494666	1.2927344	1.6806355	1,1518676
Staffmin	0.83100724	1.5354941	0.8792518		0.8003139	1.2554569	1.2933493	1.1867094	1,2091295	1.0720181	1.0992175	1.3134465	1.3372964
60S ribosomal partieln i 8	0.8110053	4 2604456	1.1438521	-	0.93191797	1.0976484	_	0.94697803	0.8805404	0.8712027	0.9386342	-	0.82404625
Caloactin I heavy chain	4 0066058	4 0408827	1.1350/02	1.054/86/	0.8559651	1.1682616	_	0.93617684	1.0567036	1.1267233	-+	1.0749744	1.0324316
Collagen type II	+-	0 73756415	0.5074697	1.1/00/04	1.1096203		_	0.97133696		0.99769986	_	0.97733474	1.1016562
Phase-1 RCT-179	-	1 1278257	1 0828472	1.3410095 1.7413020	1.7413020	0.850/482	0.81962615		-	0.74363977		0.8930218 0.777502	0.77750224
Voltage-dependent anion channel 2 (Vdac2)	1.0732532	1 3407479	1 04514	0 8641897	0.000000	0.821/01/	4 405 4040	1.0041624	0.8768683	1.0535889		0.93894243	0.9013792
Phase-1 RCT-192	0.84116364	-	0.95282155	-	0.8426656	0 9880742	0.0000007	897007 0	0.00306403	1.0430036	1.1313094	1.0/36252	1.1503504
Adenine nucleatide translocator 1	0.91587585	0.8362757	0.64735746	0.85789	0.9250249	0.8480772	+=		0 768063	-	0.03119200	٠.	0 87006108
Thymosin beta-10	0.99932486	1.3834974	1.3242525		0.80605537	1.0216744	-	0.82067645	1 0036772	-1-	-	-	0.04300100
High affinity IgE receptor gamma chain	1.118954	1,5133718	0.9459187	1.1436844	-	0.96334875	+	1.0565835	1.1030726	1.0750808	_	0.9597281	1.0188864
Camma-adin Adonlasmic	2000300	* 000000	000000000000000000000000000000000000000									_	
Uncounting amplein 2	0.000000		4.4400032	0.70844434	_	0.71734047	1.1920035	_	0.95825946	0.7677951	0.7669878	_	0.98588735
Phase-1 RCT-34	+	0.00884448	0.0000075	1.2896668	1.122848	0.96035		0.85838073	0.904999		0.8503677	-4	0.91579723
Phase-1 RCT-31	_	_	0.8944597	0.7003147	4 0453695	1 078 4050	4 240555	1.034938	0.8104764	_	0.83522654	1.1269131	1.2096716
Cydin D1	1.1185472		1.4721022	0.5383818	1 5486716	1 2570727	1.340303	2.1603043	1.226035	0.9068039	1.0208461	_	2.870828
(gE binding protein	1.2354007	1.2629712	1 2220999	1.3936443	0.8553076	1	_	0.1283420	0 8020047	000000000	1.1302007		0.75555674
Zinc finger protein	0.9576428	0.83430934	1.0678099	0.9188789	0.9106594	_		0 90033305	-	0.0433262	4 0676779	0.3034343	1.0450013
Phase-1 RCT-138	0.92573506	1.0638621	1.1386904		0.99116415		1,0250318	1 2239394	1 0084654	1 0051487	0 895809R	1 2018028	1 20102304
Apha-tubulin	0.9830285	0.7473927	0.91842175	0.81690395	1.5741191	1.2376714	1.2658547	0.8089383	1.1181636	1.4371778	-	0.79046243	0 7937493
Alpha-prothymosin	0.8400812	1.4921767	0.8782797	0.7920702	0.9466316	1,0793945	1.3827416	1.4588745	1.3084159	1.0476112	1	1.6149164	1.9328578
Phase 1 DCT 43	1.0820388	1.1055788	0.94098103	1.0116924	0.9907947	1,0093716		0.94035053	1.0199475	0.9306198	0.95831126	1.058296	1.0258593
Catherein R	1.0643518	1.2625679		1.074201	0.9297852	1,0443068	1.0694181	0.9185681	0.930748	0.9939669 0.98144215	0.98144215	0.88277906	0.8925366
Phase-1 RCT-24	1 1398975	1 1075703	0.69612783	0.98188204	1.185339	0.9264547	0.9820208	1.3059382	1.1550395	1.1422342	1.103397	1.1585654	1.3070632
Melanoma-associated antigen ME491	1.0623997	_	1 1614159	4 1374	1.1443/02	0.9241459	4 0224699 0.76480156	0.764801361	0.8488769	0.9308486	-1	0.85185895	0.8135715
		1212222	1,10141001	1:13/3	1100011	0.83004/ / I	1.03240801	0.9041084	1.02189061	0.9815267	1.3411556	0.8442448	0.9756926

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Prizeri RC 1-08	0.9659874		1.0231626	1.0812482	1.0751817	-	1,037109	0.99301213	1.0307137	1.0123672	1.0937538	0.85023785	0.916113
Homanthipe oursoins phoenhollhondernos	4		1.0311993	0.9900767	1.5553488	-	0.90790707	1.6564716	0.9056975	1.0368377	0.9167758	0.9701449	0.8977948
BSB DKIIBINGOOD WASHING AMERICAN		U.04232040	69868/0	0.8577602	1.4547588	0.94145805	1.2987282	0.86676514	1.046779	1.2005963	1.173632	0.7932474	0.835735
Tissue inhibitor of metalloproteinases-1	1.0744967	1,0057772	1.2083454	1.5195376	1.7240096	1.2276542	1.1589249	0.88968694	0.9107084	1.0060857	1.0943503	1 2829684	1 0127232
Ribosomal profession So	0.8233485	0.7499212	0.99706817	0.94381285	1.7257318	0.9418648	1.019514	0.8000023	0.90817344	1.0195991	0.98592895	+	0.80978847
Heme oxygenize	1 2070700	1,3565247	4 2530503	0.9440257	1.3449265	1.410056	1.0802819	0.75081486	1.0381054	1.2888178	1.4568515	0.67858875	0.30825344
Ribosomal protein S8	0.8573498	20813603	1 1853193	1 0681815	0.3936/00	1 0005412	1.0682218	4 00502056	1.008816	0.94060606	0.92289205	0.854371	0.9872379
Ribosomal protein S17	0.8999066	1.9184402	1.0321016		0.8382872	1.0374516	0.9893299		0.98064667	0.975534	1.0322588	1.15/8/66	1.1258156
Nucleoside diphosphate kinase beta isoform	1.119486	1.0417342	0.73695004	0.8210776	0.8109011	0.93407625	0.867805	-	0.82403564		0.85739654		0.8063310
Phase-1 RCT-121	1.0411897	0.7225234	1.3386292	1.1164314	1.0499172	0.8637909	0.76066697	-	0.7506802	-		+-	0.71434253
60S afheenmal contain 18 (attenuate alone a)	1.006812	0.7201351	0.9200957	_	1.6451011	0.7545614	1,2013283	1.0731572	0.92032045	1.1000648	1.090074	0.8514728	1,4176291
Beta-tubulin, class /	1 1141030	1.954 / 1.957	1.1464562	-	0.69120485	1.0300326	1.112784	_	1.0054084	1.018145	1.0005444	1.1405401	1.1024618
Organic cation transporter 3	0.7897837	1 2360330	4 677,2907	1 0004500	1.0295627	1.033891	1.1811792	-	0.85741746	1.0585823	1.0105604	-	0.92899495
Beta-actin	1.0513736	0.80411124	0 75533444	0 7546243	1 6482474	1.1413146	1.1626269	1 5540294	1.0815/42	1.0635039	1.1265732	1.0643888	1.0734493
Cathepsin S	1.1021055	0.9767974	1 098088	1 0983486	+	0 8828356	1.3021112	4 4007044	4 9090003	0.09/17/85	_	1.0467507	1.2063875
Biliverdin reductase	1.1084318	0.81400806	1.0048004	1.1377785	1 6762749	1 1467558	1 2478743	-	0.08004565	4.0869994	1.0594404	_	1.1090113
Phase-1 RCT-154	0.98103285	0.9040819	1.0656397	1.1508584	1.1550199	1.0118535	1 1629112	-	1 0843228	0.00005231		0.64916946	0.87030095
Phase-1 RCT-293	1.0188287	1.33934	1.0748171	1	0.79315454	1.0828778	+	0.97539777	1012319	1-		1 1142173	4 442478
Annexin V	0.9688961	0.85296863	0.9704871	1.213216	1.3261613	0.9173401	_	0.9861434	1.0417982	-	1 2255098	1 1607822	0 8174758
Complement factor I (CFI)	0.83156234	1.5823383	1.0078145	_	0.9500461	1.1923654	1.1869881	1,2836167	1.2340344	1.1100818	12331743	1.3581389	1.4309838
Tunaide amindranefarses	0.7344874	1.81371	0.8710814		0.80844796	1.2526957	1.4249572	1,0068464	1.4035075	1.2432508	1,3366963	1,2722715	0.9950092
Gutathione peroxidasa	0.01203430	1.9325017	0.8054351	0.5890529	0.7323084	1.263634	1.5440086	1.8828937	1.2991122	_	1.2366178	1.8742124	1.8154205
Histidine-rich giyooprotein	0.2688997	2 2952085	0.003200	0.550201	1.0257491	1.1557893	0.949688	1.1910093	0.8998239	98	0.82617074	1.1240109	0.9920865
Carbonic antrydrase III, sequence 2	0.72484225	2,1553085	1/2	_	0.6809981	1.2712085	1.1781503	1.4182988	1.1354371	1.1834233	1.0974842	1.4050097	1.1164081
Phase-1 RCT-92	0.8556971	1.464537	_	0.9494544	0.8066252	1.1749715	1.1617099	1 2269218	1 1192424	1 144151	1.1106578	1.8451598	1.4341486
I ransitional endoplasmic reticulum ATPase	0.8473463	0.9245597	0.8517322	0.9946396	1,2180117	1.3296083	+	0.91563886	1.2043289	1.4392047	1.4835783	0.94548315	0.8359869
PHESS-1 RCI-88	0.8448252	1.5192282	0.94755745	0.8380083	0.73118925	1.2516576	1.1297776	0.9704338	1.1471937	1.155632		_	0.91964877
Phase-1 RCT-181	0.86820364	1.5656447	1.0966456	-	-	1.2078798	1.1132437	1.2348603	1.1904224	0.9897831	1.0036533	0.94724137	1.3489665
Gittathione S-transferase theta-1	0.725578	4 0704172	7,1054877	4 464 4070	-	0.97293866	0.7738248	7	0.86358106	0.80458224	0.90338784	_	0.97252566
Phase-1 RCT-168	0.8579966	1.022048	100	0 85437113	1 0255028	1.144/628	1.3846014	1.1876476	0.9556687	1,0801333	1.1908382	1.2842436	1.1913857
Phase-1 RCT-182	0.76925725	1.0987351	+-	1.0425428	0.9783019	1.0244274	1 0027686	1 0875828	1 2065480	1.114023b	1.3635/63	1.0000857	1.0115515
JNK1 stress activated protein kinase	0.8086606	1.0917792	1.2398584	0.9435091	0.7767964	1.2117618	1.2807126	1.8793037	1.1874931	12867584	0.93430847	-	1.3127513
Prisseri RCI-41	0.87867564	12623347			1.0568056	1.218669	1.2427287	1.2024243	1.2989204	1.0859071	1.2039735	1.3928008	1.4242733
Phase-1 RCT-178	4 4124177	1.1280856	1.0777398	0.90303844	0.91349304	1.0874577	1.701169	0.9873421	1.321114	1.2540448	1.3018064	0.978245	1.0170299
Apolipopratein CIII	0.8982792	10108827		-	1 2818281	1.450///5	1.9818085	0.8856025	0.8861766	1.0405354	0.8400354	1.2790985	0.5715975
Phase-1 RCT-98	0.9899253	0.99435218	+	0.883294	1.0174438	1.1537381	1.0156674	1.0995042	1.0848377	1.4012322	1.1493348	1,3965524	1.2922933
NADH-cytochrome b5 reductase	0.8600883	12772608	S	0.8725542	1.1184317	1.3064586	1.2599661	1.3661397	100	0.99737936	1.170126	12181643	1.2781003
Dhase 1 DCT 223	0.7434328	12399553	_	0.88782597	0.8373606	1.1098822	0.7058942	1.6807843	1,2280065	1.0927828	1.2116365	1.9170938	1.9191768
Paraoxonase 1	0.8848451	1.3966143	1.1590326	4 0220483	0.9051749	0.9565473	1.4739169	-	0.94665927	0.94640595	-	0.98040136	1.0749812
Presentin-1	0.82768065	1.2522312	+	0 95510083	0 931981	4 1041774	1.1653142	1.2694/82	1.1585///	1,0992813	1.0793748	1.4267334	1.3624862
Apolipopratein C1	0.6731924	1.7300364	_	+-	0.51177686	1 2117387	1 2138997	1 4307657	1.1810040	1,0369233	1.2386985	1.8073311	1.9917859
Cytochrome P450 2C23	0.6708217	1.3627856	0.9084136	-	0.68273604	1.037053	1.1369281	10	0.88901653	1.033209	1 1350179	1.4363184	1.4304458
Phase-1 RCT-227	_	-	-	L	0.7718899 (0.85642076	.89533895	-	1.2624382	0.8183033	1.021913	2.1500123	2.136068
Description of the control of the co	<u>.</u>	0.86503947	0.6505049	0.7477098	1.5341365	1.0731765	1.3926767	0.8936433	1.0582758	1,0603793	1.107001	0.803353	0.6597176
opposite 2	0.90209764	1.1018918	1.0118599	1.0524917	0.7532137	1.2028285	1.1952517	0.8994938	1.2652526	1.3414037	1.2770928	0.890294	0.8844867
	1 1 168411	0.7489455	4 4224429	1.1954582	_	1	1.3727981	0.9021665	0.8569303	1.1612363	0.9379889	0.8302945	0.8297809
N-hydroxy-2-acetylaminofluorene sulfotransferase	1.0777491	0.9508981	-	0.6438901	0 9790942	0.90030203	0.0000702	1.4860875	0.9542673	9	0.99889255	1.0043168	1.5858485
(STIC1)					_		200	1.1020340	0.30412/0	1.137.200	1.1269604	0.965665/	1.13/7486
DNA solumento Loto	0.8945246	_		0.9901801	ᇑ	0.89204437	1.0732712 0	0.94509476	1.0761161	0.9533131	0.9249783	1.1911267	1.0122385
DNA poymerase pera	1.0427026	1.4122742	0.80351406 (0.80979806	1.1042727	1.0399185	1.1406564	1.1523557	1.0608637		Ц	_	1.1184354

Phase-1 RCT-173	1 2300069	0.77643484	1.3243454	0.8927029	1.0487052	1.2551787	1.076961	0.794446	0.9191367	1.0867364	1.2446572	0.9793871	0.8890109
Ubiquitin conjugating enzyme (RAD 6 homotogue)	_	1.4173315	0.98392504	0.9148318	1.0862191	1.3813927		0.82628685	0.9428346	1.2392	1,4143056		0.58495826
Ribosomal protein L13A	0.7791645	1.0630088	1.1194628	1.0256776	1.2409654	0.88974154	0.9997685	0.822236	0.83693936	0.987346	1.0036468	0.7668398	0.8828662
Phase-1 RCT-144	1.1100124	1.102073	0.9002206	0.92802125	1.1061742	1.0863566	1.1475734	0.808529	1.0920479	1.0822104	1,1080777	0.8652474	0.82842386
c+Hras	0.88445395	1.3132706	1.1559662	1.1443124	0.8054854	0.974389	0.9840175	0.9637957	0.9901051	_	_	0.86396458	1,0753113
Vesicular monoamine transporter (VMAT)	1,2284213	1.4504734	1.247378	1.2061437	0.8901113	0.8314838 0.81856346			4		0.83295804	_	0.87238353
Phase-1 RCT-273	1.202186	0.7929652	1.0551035	1.1615938	1.0385554	0.86698014		0.81396025	0.82188874	0.8242768	0.82502604	_	0.97979426
Phase-1 RCT-230	1.3736684	0.72872585	1,2258834	1.0276912	1.1695052		0.75451815	0.732672 0.73411524				0.8211702	0.7070233
Phase-1 RCT-74	1.5417248	0.8528915	1.0930086	1.3320521	1.16164	0.8103122	0.7205881	-			-1	0.78994584	0.91456175
Phase-1 RCT-80	1.3521674	0.89176327	1.0406908	1.1967558	0.9999903			_	_	_		0.80Z16036	0.8884106
Present RCI-138	1.141398	0.78911930	1,050/204	1.05826/B	1.1529331		0.62460033	_	-			0.0220030	0.73000407
Deoxycyddine kinase	4 2442707	0.8989118	1.2602687	1.1763997	1.2959362	1.0670694	0.87590326	0.752/94/4	0.9255491	0.8366842	0.86246246	0.88563924	0.8237855
Nammal call athesion molecule (NCAM)	1 1676178	0.83834565	0 974114	+-	_	-	-		0 6634767		0 74345434	0.8468238	0 9873453
Hecatocyte growth factor recentor	1 2774403	1 2138721	1.0650724	0.8581001	1 0565009 0 81013864		-			_	0.8550485	0.9846571	0.9852371
Ematy	2.0026042	0.7417127	0.987758	1.2099912	1.6653681		0.78442097	0.8169031		٠	0.8263649	0.9175754	0.8516592
Doparnine receptor D2	0.9532152	0.9663042	0.776877	0.956966	1.3457183		1,2793925	1,1501945		_	1.2043465	1.0983256	1.2310047
Phase-1 RCT-51	1.0282766	0.81880176	1.1091812	1.1120514	1.0432878	0.9655549	-	0.855566	0.7887661	-	0.80431646	0.9545905	0.9275469
Four repeat ion channel	1.2250507	0.86169827	0.9965034	1.1316313	1.0792261	0.9330099	0.8425274	_	721	-	0.85532933	_	0.9044147
Adrenomedullin	1.8654628	0.8449052	1,3302706	1.2888163	1.7124455	0.75030506	0.7050119	0.65785694	0.61491984	0.68525404	0.7345747	0.72837196	0.57161087
Caveolin-3	1.2477005	0.7881882	1.0117682	1.1645716	1.1437287	0.83137286	0.7427624	0.67313784	0.75389	0.7716141	0.7790591	0.8043756	0.88694906
Phase-1 RCT-129	1.3336897	0.81309116	1.0506121	1.2130643		0.90441537	_	0.7369474	0.73136896	0.7748976	0.77545094	0.7811534	0.9047254
Phase-1 RCT-84	1,1808633	1.0453447	1.0859846	1.1028466	0.9635076	-	314	0.7635465	83	_	0.92385113	0.797736	0,66604495
Sarcoplasmic reticulum calcium ATPase	1.046261	0.9796814	1.0657402	0.869839	_		0.7825512	1.0310559	0.8267823		0.8802034	1.2415868	1.1561804
Phase-1 RCT-79	1,2939357	0.7507853	0.998051	1.0297261	-+	0.86952066	0.79501736	1.1467558	0.7988472	-	0.87461466	1.1339843	0.9590712
Phase-1 RCT-252	0.75440156	1.2824513	1.087198	1.1500213	0.6020939	1.1762687	1.4142303	1.7208911	1.1684376	1.1842117	1.2488378	1.4688526	1,6718714
Phase-I RCI-151	1.0314406	0.8429304	0.86597455	1.1132832	1.0482388	1,059/308	1.0504254	0 0000000	1.033225	1.13/3380	1.1230000	007/071.1	7.007.000
Dhase-1 RC1-70	0.7838613	4 0428389	0.3660002	0.98901507	1 3475242	-		1 345284R	1 4331361	-	4 2528434	1 4577173	1.3889641
25-Indroxydamin D3-1 ainha-hydroxylase	0.9841843	0.7762593	1 2436115	1 0533031	1.6810082	0.8978956	_	0.83165675	0.7405817	0.8251729	0.78384346	0.7787333	0.7676521
Phase-1 RCT-119	0.85838825	1.0231134	1.0965824	1.1325667	0.77677804	1.1324556	_	1.0092134	1.0872755	1.130971	1.0935673	1.0590606	1.0904571
Peroxisomal 3-ketoacyl-CoA thiolase 2	0.8409044	0.8571296	1,2753744	0.857573	1.1015387	1,2585018	1,0821066	1.2208773	1.1333553	1.0751671	1.1411061	0.90917546	0.97505605
Phase-1 RCT-146	1.3571917	0.8274188	1.1850945	1.1219636	1.1558522	1.0970615	0.8305411	0.80203754	0.86896753	0.8264166	0.8519853	0.9175733	0.7133088
Superoxide dismutase Mn	1.0023065		1.0959002	0.7979271	1.3366034	1.0512688	1.1107422	1.2429467	0.9483983	1.0775651	1.146975	1.2619977	1.1532719
Phase-1 RCT-115	1.1609739	낔	1.0507882	1.2109638	1.5861642	1.0692649	1.0423611	1.1219072	1.04256	1.2916757	1,2217886	1.102942	1.174312
Alpha-1 microglobulin/bikunin precursor (Ambp)	0.78406954	1.4693968	0.7547584	0.87453866	0.917112	12383049	1.2088946	1,3904756	1.3791671	1.1112113	1.2111702	1.4859713	1.4516711
Phase-1 RCT-18	1.1692878	0.9611789	0.98015314	1.0970764	0.8913752	0.9603511	0.7700945	0.78569424	0.8790693	0.7892077	0.7937298	0.8774106	0.9486979
Maspin	1.1018568	1,2353482	1.1784683	1.1116478	1,2140319	0.7879232	0.72579104	0.7187081	0.666611	0.73013246	0.7655826	0.830455	0.7418016
Decortin	1.3723459	0.74490744	1.201024	1.2841392	1.2410264	0.83309114	0.7609572	0.6920671	0.76691645	0.8107136	0.736436	0.7498416	0.90454614
Retinold X receptor alpha	1.0914011	0,68923825	0.8619828	0.9562518	1.53156	0.9895458	0.8370605	_1	0.96862337	0.9830858	0.9206517	0.7389913	0.68789864
Celtular nucleic acid binding protein (CNBP)	0.910853	1.2274773	1.2959226	0.72608733	0.8783796	0.967794	1.0063484	0.9247546	1.0585889	0.9989828	0.9338654	0.9819844	0.9938257
NADPH cytochrome P450 oxidoreductase	1.1489644	0.875738	0.79449904	1.9041387	_	1.0690472	_	1.1808475	1.0215597	1.382/668	1.1410369	0.8031023	0.78928167
Maiic enzyme	1.4304378	0.69925797	4 1570050	1.9840287 1.2744688	1.6886986	0.97949296	1.4040904	0.60113604	0.8575084	98225000	1,0019024	0.092/304	0.7481412
Ostatin C	0.91283524		0.9016414	0.8553244	-	1,1216093	1,1078054	1.0402185		_	0.9291672	0.9352144	0.98972
psecoc	1.3350735	_	0.9202584	1.0079651	1.302827	1.3501107	_	0.9495609	0.8196846 0.72503316		0.80821854	0.9693818	0.6880444
Poly(ADP-ribose) polymerase	1.050837	0.9782824	0.93273085	1.0987103	1.3425574	1.1760064	$\boldsymbol{\vdash}$	-	0.93842256	1.1346192	1.2707748	0.8794912	0.8786052
Tissue plasminogen activator	1.0878012	_	0.8059819	0.91578686	0.8456018	_	នា	0.88993907	1.0019314	0.9364673	0.5375308	0.9154534	1.0578601
Multidrug resistant protein-1	0.8823858	0.8641516	0.82020485	1.1339741	1.5876356	-	_	0.7808962	0.9688238	1.283138	1.0949279	0.818/8044	0.9234994
Phase-1 RCT-207	1.0299163	0.7864164	1.1617899	0.99632233	1.1096212	-	<u> </u>	0.92679626	0.8653039		0.9133348	0.8706352	0.8306841
Phase-1 RCT-181	0.85623306	1.065875	1.1043231	1.1851523	0.9302142	_	0.91115475	0.98909783	_	_	0.86698046	0.9544776	0.8203784
Gap junction membrane channel protein beta 1 (Gib1)	2.0006163	0,8641516	1.1528/42	1.2151817	0.884026	0.67289044	0.7146505	1.0443312	0.848484	0.66395536	0.7913862	0.6/00143	APCSSOLT
Aquaportn-3 (AQP3)	1.1444134	0.9534005	0.8976315	1.0270131	0.95415765	1.0107428	0.9872055	0.81897265	1.0749208	0.9511254	1.0465581	0.8742755	0.878429
Myelin basic protein	0,9464282	0.7530213	0.9174004	0.8355573	0.6598269	0.85776716	0.85742855	0.78466487	0.6409464	0.75823206	0.78377765	0.7208297	0.73899886
Calgranulin B3	1.0714388	0.83139366	1.0396932	0.95499444	1.0802188	0.9757901	1.0816636	0.9337286	0.87184083	1,0400018	0.9944027	0.95807165	1.0163246

ase-1 RCT-156	0.8287804	1.1273481	0.8525945	0.8657587	0.78670585	0.8287804 1.1273481 0.8525845 0.8657587 0.78670585 0.97100616		0.89831203	1.0131239	0.9812501 0.89831203 1.0131239 1.0127658 1.0474182 0.9220289	1.0474182	0.9220289	1.0800399
obeasome activator 28 alpha	0.9026962	1.0465639	0.9644068	0.9644068 1.0272295 1.2256494 1.0502952	1,2256494	1.0502952	1.00739		1.2053181 1.2216734 1.1102302	1.1102302	1.208119	1,1395838	1.0903785
Gene expression data for 72 hour timepoint								-					
presented as mean ratio of treatment/control					•						_		
all 72 hour predictive genes (Table 23).							·				_		
Compound and dose abbreviations as in													
ble 1.													
Individual animal number					-		T						
Liver inflammation dassification for compound													
se group at 72 h: yes-necr, necrosis observed;										_			
s-both, necrosis with inflammation observed;						•							
, no histopathology observed													
Predictive gene (as in Table 23 and as													
Auded in Table 26)					•			-					

Table 30. Expression Data for 72 Hour Timepoint (1)													
	т		П		П		Т	T		T	7		8
Compound-Dose (2)		PBARB 80					PEG 5000	_	PHEN 20				HEN 80
Animal Number (3)	2629	2837	2638	2639	147	148	149	1327	1328	1329	1337	1338	
Liver Toxicity Inflammation Classification (4)	5	8	2	2	2	2	5	8	2	2	2	2	2
Gene Name (5)					-	000000000000000000000000000000000000000		00000	0 7460	0.0000000	4 4000004	4 4048484	1001100
Phase-1 RCT-107	1.2903292		0.88337725	1.122/789	-	0.93776566		0.94401000	0.7130433		1,1003301	1.1340101	4 5955477
Betaine homocysteine methyltransferase (BHMT)	3.3637373	1.4573135		2.431861		0.58404005	1.1407607	4 020374	4 7430033	1.1/553/11	1 133122	-1,,	0.95929664
Profiterating cell nuclear anugen gene	0.8373706	0.8234343		0.65197407	0.3324	0.9032030	_		0 77708563	1 7464DR5	1 5186303	_	2 5519394
Cytochrome P450 2D18	1.0823835	1.07.70162		1.0731335	0.77472	0.6510/19	_	0000//50/0	0.001000	1.7404003	1210000	1 2210154	0 0300212
Cytochrome P450 2C11	0.8369874	0.97067078		0.81287153	1.1524162	0./0828145	1.14.30024	1. 1970403	201607	0.32010074	0.9391202	10401001	4 6707070
Phase-1 RCT-290	2.3765686	1.2950222	1.031606	1.8142194	1.1854224		1.0902594	1.0902594 0.84532785 0.56150454	0.56150454	C1/8102.1	1,2018/15 0,5244124	-	1.0232070
Phase-1 RCT-59	0.91548055	0.8864096	0.8884096 0.93446493	0.9576318	0.92131186	_		0.93119943	0.84511673	1.039882	0.8317204		4 404 8042
Beta-actin, sequence 2	1.4097862	1.0162219		0.90136087	1.0122339		0.83747244	1.1301892	0.85529774	1.0644183	0.82076544	0.90433/35	0.000000
Phase-1 RCT-292	1.1873741	0.8832179		0.9488217	0.9595738			1.0790194	0.8975053	1.011346	0.9226608	0.8452437	4 0074649
Pynyate kinase, musde	ī	1.0104824	0.8898288	0.83407164	0.9410275			0.83319/03	0.882306/3		38999964	1.07.300.51	1.0374043
Osteoactivin		1.020692	0.99112856	1.0095752	1.0243467	1.1038651	-	0.9500/34	0.8434394 0.97104128		0.000000	4 0037058	0000000
Calgranufin B1	1.0118368	0.87899876	0.9243776	0.91695166	1.0130594	0.99404587		0.043942	0.6665043	4 4696640	0.8007708	1.	4 2254ATT2
Apolipoprotein All	1.0809634	0.7587417	0.87182754	0.6/04183	0.05346836	0 87503746	0.0347300	1 4103534	1 0209589	1 0209589 0 79602754	1 1365256		1 1714208
Columbair 22	4 0005073	0.030 1020				1 1042807		0 92697364	0.8441471	0.9931528	1.0371422	1.0303215	1.1016867
Prizing moth demonstrate	1.0020313	0.0244010	0.92001440	4 4045707	1 5204602	0 8387874		0 9011123	0 5967125	1~	1.3271181	1.23759	3.333004
Siyone menyudaharasa	4 65705B	4 0880575	1 0080347	1 3140041	1 2358388	0.9407136	0 8366057	1.0898684	0.86493636	1.1239477	1.0469394	0.9010423	1.4259007
Dhan 1 DCT 266	1 8870353	1 2232085	1 2375987	1 494420B	1 2345095	1 0220333	1,1257974	1.0132128	1,0132126 0,76004106	1.2442666	1.3863668	1.2239565	1,4772594
Carborie achidrase III	1 2634404	1 6770508	2071214	0.9209679	1.0644541	-	0.70476115	0.9881236	1.1444252	0.46618983	1.013238	0.9082011	1.4550887
Dhara-1 BCT-78	1 5177312	1 393667	1 2090902	0.99238214	0.96931636		0.87923115	1.0807979	1,1315683	1.1083994	1,063137	1.2491162	1.3246735
Union ambelo 2 producor	0.9400864	1.1516211	1.0524501	1,2756629	1.3856211	1.2045159	1.4439021	1.0374868	0.9026839	0.5811643	0.5667692	0.47459757	0.6829346
Insufindike growth factor (1,4812555	1,1055781	1.0158107	1,2005968	0.7882857	0.73993057	0.8956038	1.654046	1.654046 0.88643684		0.64252174	0.63775843 0.64252174 0.56074448	0.67383
Anyl sulfotransferase	2.1868994	1.3239893	1.362596	1.8352524	1.3258157	0.9076817	1.0354532	0.98119146	0.7960717	0.60765046	0.6320163	0.7014889	0.799953
Phase-1 RCT-185	1.4147478	1.5131245	1.2293764	1.3724619	1.1878654	0.7565421	1.0361671	1.1244238	1.1244236 0.90880793	0.6058197	0.78333664	0.78333664 0.67350024	0.85035557
Cofflin	1.2154084	1,2362891		1,2810208	0.9734651	1.0900774	1.025707	1.2395713	0.89271927	1.0398918	0.8318366	0.98205155	1.1515/04
Stathmin	0.9493735	0.9496202		0.9997175	1.0348947	0.9930269	1.0182971	1.0182971 0.86410328	1.4148134	1.4152936	1,1163179	1.4786596	1.03325/4
60S ribosomal protein L6	0.8798761	1.0515441	1.0748861	1.0293868	1.1392695	1.1411678	1.0983227	1.044822	0.9631753	0.9666061	1.0022094	0.9636163	1,06450.0
Calpactin I heavy chain	0.9987183	1.0200584		0.9321313	1.0636147	0.9980707		0.76769096	0.85345435	1.4140/33	1.01/300/	1.2743031	0.8940000
Collagen type II	0.68845165	0.8482933	-1	0.76870865	1.463999	0.82348154	1.349897	0.76344144	0.92636067	1.1580472	1.2148035	1.1163406	1,0003984
Phase-1 RCT-179	1.0375403	0.9665334	1.0143441	1,0893667	1.1870441	1.1313825	1.1192511	1.1192511 0.87841696	0.91354597	0.9333717	0.8228535	0.93304/63	1.006139
Voltage-dependent anion channel 2 (Vdac2)	1.2807249	1.0950618	1.0731391	1.1032711		1.2049714	1.1616896	0.7220368	0.9515249	1.3906136	0.8853369	1.2208433	1.1209210
Phase-1 RCT-192	0.7512921	0.822525	1.0265126	0.8808383	1.2404513	1.2706684	1.1018634	1.1018854 0.90805334 4 0654823 0.60040574	0.0707070	0.831003	0.5659502	0 7428478	0 8672154
Adenine nucleotide translocator 1	0.69579/46	0.8334 3390	1.0003333	0.0019333	l	4 0108874	1.0001002	4 1494175 O BROABBB	0.6787622	0.82029635	0 930448	0.84340876	1.0648799
I nymosin beta-10	1,40040	0.0748303	4 0208488	0.00337 13		4 4602678	4 1970485	0.81689507	1 2744132	0 7075291	0.8302208	0.6757565	0.8079093
(Ref Ricemms)	1.1403400		1.020400	25.00.0				2000					
Gamma-actin, cytoplasmic	1.5039393	0.91300327	0.8772457	0.7291561	0.74205744	1.0207636	0.75055563	1.43216	ı	0	1.0899746	0.9382038	0.88460594
Uncoupling protein 2	0.83636725		0.8258673	0.8258673 0.81358755	1.1343237	1.0152855	1,0753398	0.767917	0.984815	1.147932	1.5711831	- [1.4106271
Phase-1 RCT-34	1.1486868	0.9601383	1.1301622	0.8769261	0.8656791	0.9822222		1.0027308		1.4012506	1.2869945	1.3350977	1.2074572
Phase-1 RCT-31	2.586461	1.275705	1.626102	1.7162187	0.84471023	1.0148394	0.78198564	0.40708035	- 1	1.8358177	0.8247479	1,550976	1.572398
Cyclin D1	0.6869847	0	۵	0.7456075		0.6931113	1.1350865	1.0115763	1.0591018	0.5174467	0.65485543	1.6550831	0.74278075
igE binding protein	0.951803		_		1.0138836	1.1052861	1.1679251	0.9235202	0.8165437	1.1286193	1.3228652	1.3914987	1,3185846
Zinc finger protein	0.8719644	_	_		1.2171284	1.0234778	1.0635189	1,0276921	0.9406398	1.0540551	0.8158645	0.861011	1.1003344
Phase-1 RCT-138	1,354122	0.94231606	1.0727934	-1	_	0.87409526	1.0646498	1.1868455	1.0029787	0.8563789	1.4318/82	1.3891055	1.3/26388
Alpha-tubulin	0.785783	0.94095343	0	- 1	_	1.1379485	0.84636583	1.2350819	1.156562	1.0152532	1.2042309	1.00d1581	4 500404
Alpha-prothymosin	1,5526446			1.3598168	1.0831113		1.0192277	0.5096754	0.8360377	1.9331552	4 49 49 759	1.4505874	1,000,01
Cafpain 2	0.99838483			0.9140133	1,0077493	L_		0.97915316	1.0612542	1.2384491	0.1040130	1 2350024	1 0139201
Phase-1 RCT-12	0.9470108	_	ᆚ	0.7743334	┸	0.8499077	_	4 499888	- 17	0.7447424	4 9658835	0.03269855	1 169599
Cemepsin B	1.280/446	1.3415154	0.004800	0.82848883	0.8880430	1 1844808	0.88310426	0 8936418		1 3789676	1.3012017	1.6399878	1 2235484
Mase-1 RCI-24	0.7097209			0.07645050	4		1 2330344	0.95569927	1 0527531	0.9689167	1 3292792	1.4894618	1.4640989
Melanoma-associated antigen ME481	0.89216685	0.6623412	0.6615501	0,0430201	_	1.4444	1.4.000001	0.000000	1,000,1300.	V.00001011		1 1 1 1 1 1 1	

Phase-1 RCT-68	1 032685	0.97703046	0.98441917	93379706	0.9155279	0.9501467	0 94255745	1 0279106	0.9839419	1 2339146	1 0290941	1.0609816	1.0468402
Cyclin G	1.588964	0.96051115	0.7323843	0.8256398	-	-	-	0.99023384	1.6805005	1.0202231	1,0936147	-	0.98869926
Hypoxanthine-guanine phosphoribosyltransferase	0.85499007	0.9122561	0,91750103	0.84749424		0.9179947		0.9635972	0.88280994	1.2323058	1.0391074	1.2490537	1.2742615
Tissue inhibitor of metalloproteinases-1	0.8621951	1.0857438	0.91535914	0.8020584	1.172212	1.0564892	1.2145021	0.83812907	1.2243818	1.062637	1.0783108	1.0712314	0.9558668
<u>-</u>	0.7628596	0.98917204	0.87607867	0.8247775	0.9106682	0.8383657	=	-	0.99545634	0.94685775	0.9777872	1.0081937	0.86196077
Ribosomal protein S9	0.7762632	0.90118754	0.9508678		1,2393398	1.1423813	\rightarrow	_	0.99462277	0.77336895	0.613982	0.6243242	0.66764855
Heme oxygenase	0.8836949	0.8570268	0.86593306	-	0.89021635	1.4914275	1.0473125	1.1485048	1.6164286	2,149804	4.180962	3.4831421	2.9883676
Ribosomal protein S8	1.1589929	1.086008	1.1098642	1.0618838	1,2314607	1.148644	0.9850563	1.0126342	1.095618	1.2362397		1.2352511	1,360489
Ribosomal protein 517	0.9380409	1.0682522	1.0522528	1,0414035	1.4119933	-	1.1545561B	1	0.9253602	-	-	0.9290970	0.8333127
Nucleoside diprosphate kurase beta isotorm	0.83003/4	0.9945509	1.0103077	0.03204230	4 042220	1.01/8303	4 0685014	4 0478673	4 0230034	4 0100455	1 26648	1 2002255	1 2010427
14.3.9 molt	4 0420844	0.0353703	4 005 4034	0.12203120	0 8430465	-	71500001	0 8306454	4 3430408	4 0135484	0 8058768	4 3258A54	1 0111315
60S ribosomal protein 1.6 (attendate clone 1)	12132626	1.0049261	1.1147923	1.0351973	1.0381678	_	10394444	1,0096154	0.9804236	1.4320704	1.1507964	1.1481127	1.2421256
Beta-tubulin, class	1.0754402	0.8870018	0.83234715	0,6674054	0.78742373	1.0494907	0.6899631	0.75927204	0.88077533	1.1461662	0.9385943	1.1771588	0.96925884
Organic cation transporter 3	0.86087734	1.0245893	1.0482843	0.98418653	1.0932629	1.	1.0557235	1.0338523	0.9445524	-	- -	0.99764156	1.0574248
Beta-ectin	1.5262188	0.9682944	0.9747731	771777	0.49152657	-	0.55183053	0.7912191	0.6269113	0.9326022	12423221	1.1812772	1.6395159
Cathepsin S	1.1796762	1.0986004	1.0154128	1.1252106	1.1197613	1.2823292	1.094383	1.1169642	1.2224767	0.7571469	=	0.75414324	1.0189323
Billverdin reductase	0.84347737	0.75498414	0.8072573	0.7829774	0.7883885		-	0.8117963	1,2960569	1.422718	1.4536258	1,8290488	1.4036462
Phase-1 RCT-154	0.8990485	1,0172708	0.92075	0.9386597	1.0273411	1.0960258	-	0.88449484	1.2545762	1.036023	1.0234758	0.9834861	0.87187415
Phase-1 RCI-293	0.9959736	1.506845	1.0875044	1.1438954	1.1349994	1.077701	1.0829529	0.9296207	0.88634753	0.9291803	-	1.2163369	1.3466031
Amexin V	0.9792886	1.1102159	0.9343134	0.9441067	0.90584797	1.0111622	0.9387036	1.0877147	1.2797171	0.8998813	-4	0.92136824	0.7817976
Complement factor I (CFI)	1.2245368	1.4846774	1,2105712	1.4355481	1.1354271	1.2974102	1.3407012	1.3712628	1.0614692	0.9467487	1.1769719	1.0736421	1.0554451
Phase-1 RCT-276	1.014451	1.1320951	1.0406127	1.0212985	1.1529163	1.081645	1.0297884	1.0149359	1.0168785	0.70266834	0.6688951	0.6240476	0.6786394
Iyrosine aminotransferase	1.9331309	1.5616727	0.7277142	0.952721	1.3418102	-	1.5690262	1.1775545	1.2245201	0.6583553	0.5037633	/6/197CC D	0.5454086
Glutathione peroxidase	1.1284933	0.79732394	1.031146	1.0958897	1.1305337	-	0.93412995	1.0400318	1.0763146	1.0421084		1.0184494	0./515515
Histidine-rich glycopratein	1.1438405	1.5130742	1.4611334	1.5/54831	1.2719085	_	0.7784283	0.7767244	1.1199443		٠.	0.00804846	0.7373481
Caroonic annydrase III, sequence 2	1.5062171	1.4436/22	1,4091//4	196196.1	1.320002	0.60992704	4.090924	0.0140514	1.13.00.213	0.90001690	0.7787000	0.3492830	0.70400044
Transitional andonlasmic reticulum ATPasa	0.8619606	1 0466201	0.9190549	1 0042983	0.9596976	0.9151325	-	1.3698071	1.0718691	+-	0.93510514	-	0.96531975
Phase-1 RCT-88	0.932835	1,290338	1.1338356	1.1094377	1,1681031	1.0170735	1.0066191	0.9817846	1.1055838		┺-	0.56772494	0.73172593
Phase-1 RCT-296	1.202564	0.81028426	1.1943866	1.5417962	0.9915863	1.5070616	0.89359725	1.0349288	0.9740557	1.0861542	1.1449795	1.2238936	1,2017641
Phase-1 RCT-161	0.8015393	0.86617994	0.9867122	0.9106881	0.80987203	0.69341975	0.7913918	0.6592391	1.0364366	1,1178659	1.1964779	1.3106663	1.2030324
Glutathione S-transferase theta-1	1.1625053	1.3391485	1.0719215	0.8586172	0.91802075		0.9124935	0.93207675	1.0388012	0.90537894	0.8135014	0.7703828	0.854183
Phase-1 RCT-168	1.0780007	0.94145614	0.93858755	1.096521	1.0243058	-	0.95428514	_	0.9637863	1.369397		0.8536/04	1.0069143
Phase-1 RCT-182	1.0870817	1.0337928	0.9592582	1.0465792	1.2222788	-	0.85743304	1.2541449	0.98162115	0.6187415	₹ 5	0.76993173	0.92245550
JNK1 stress activated protein kinase	2.0389585	1.423925	1.3374652	1.8151397	1.3268613	1.0379546	1.0660213	1.1860031	1.0454952	0.5066502	1.01/5093	0.69707876	0.84196/70
Phase-1 RCI-81	1.2844416	1.2128/13	1.1101803	1.1521/50	1.03/1921	0.9939237	1,014904	1.19040/5	1 0400067	4 2480637	1,0483333	1 10087EE	1 2127404
Phase 1 PCT-178	0.82152885	1 503841	0.8328775	0.8659274	1 3870527	1 04953	1 2451419	0.8651697	1 2639325	0.9580603	1 4719292	1.3179752	1.3984096
Apolipoprotein CIII	1.1644843	1.1220003	1.0884417	1.2403752	1.2434987	1.075884	1.1406921	1.1026682	1.1810222	0.829471	78457	0.87256694	0.8507345
Phase-1 RCT-98	1.1150512	1.024894	1.0399411	0.9862378	0.9647739	0.9340025	0.9585893	1,2060589	0.8741447	0.8696716	0.84902614	0.8974336	0.96717288
NADH-cytochrome b5 reductase	1.3908559	1.1710305	0.94425726	1.1891199	1.008156	1.3491751	0.9314085	1.2640897	0.9213095	0.99149334	0.94905525	0.7737716	1.0165896
Alptra 1 - Infribitor III	1.8065847	1.4327531	1.2688278	1.7884171	1.0287467	0.7930582	0.6462729	2.7363756	1.1555998	0.4361133	0.67342716	0.8107057	0.9562165
Phase-1 RCT-233	1.1508377	0.62414485	1.2839988	1.1098965	1.4502586	-	1.2231036	1.1501824	1.2110398	1.0664083	1.022/356	0.8086395	0.8726984
Paraoxonase 1	1.394882	1.284/519	1.43263/8	1.8130/92	1,239889		0.99986905	7789477	1.23/130/	0.24396320	0.0105/75	0.000000	0.04570173
rresenun-1	1.81/95/4	1,3948231	17/882.1	1.880646	1.030552	-	0.67990744	2.8712456	1.1/00/162	0.41460442	0./30/030	7.6727070	0.5/001/40
Applipopratein C1	1.6201338	1.1058	1.2882345	1.1101/32	1.4326041	1.1100039	1 2851823	1 1580017	0.0060424	4 0224078	+-	0.903987	1 0673525
Phase RCT-227	2 14946R	1 7854392	1 888248	1 8628 185	1 4214001	1 0657364	1 2696497	1 0110458	1 1197497	1 159399	1.01957	1 2690349	1.3559684
Hepatic lipase	0.79765606	0.71878904	0.84265417	1,1081393	1.1604581	0.94554114	0.92843515	1.8586891	1.2480601	0.6214073	0.55135727	0.5448428	0.6232082
Phase-1 RCT-164	0.89672256	0.9066482	0.9806896	1.0709443	1.1009766	1,0661381	1,1593385	0.8670247	0.9407809	0.7993289	0.62125367	0.662959	0.86542916
Multidrug resistant protein-2	0.80123246	0.8182293	0.86103594	1.0549647	0.8019903	0.6527317	0.6561704	0.8294577	1.1411386	1.070072	1.17447	1.397472	0.99528795
Insufin-like growth factor I, exon 6	1,5650039		1.0635723	1,2018175	0.694047	0.6636308	1.2020339	1.7776401	0.8562722	0.9975596	1.36667	1,2900769	1.6802658
N-tydroxy-2-acetylaminofluorene sulfotransferase (ST1C1)	1.338185	0.92574006	1.2707722	1.3762817	0.9470569	0.6648127	0.8456219	1.0325595	0.9087158	0.5027854	0.5364251	0.5901848	0.6797214
Dynamir-1 (D100)	0.9416267	1.1046423	1.2052202	1.1579372	1.1558326	1.123796	1.0893624	0.9841706	1.1265239	0.9417111	1.1565559	1.0272273	1.0931138
DNA polymerase beta	1.2119709	1.2416079	1.0860864	1.1279123	1.0876677	1.1036317	1,011499	0.92123875	1.1651342	0.7108484	0,616541	0.5668438	0.5983545

Phase-1 RCT-173	0 7762404	0 00063045	0.0018320	O REGARAGE	1 0625804	0.0440694	0.8574044	0.0005446	4 244 222 20	4 404099	4 050444	4 4000040	4 0045054
Ubiquitin conjugating erzyme (RAD 6 homologue)		0.85504246		0.94114316	1.223601	1.0746208	1.0378011	1.0378011 0.82269293	1 0023693	0.7316123	0.58896494	10	0.7091354
The control of the co													
Ribosomal protein L13A	0.7569482	0.8542667	0.8520774	0.79449904	1.2656443	1.1776992	1.0510298	0.6873503	0.6946729	1.0488769	1.1773363	1.1972297	1,3807391
Phase-1 RCT-144	0.7314596	0.81755644	0.85143995	0.8112554	0.8997876	0.9947886	0.9425872	0.9776388	1.0940908	0.91772866	0.9054899	1.0146012	0.9340063
c-H-ras	1.0310968	1.1049945	0.8021543	0.8880672	0.8880672 0.84052026	0.9312449	0.9911115	1.1379536	$\overline{}$	0.89096344	1,2487466	0.9278365	0.932107
Vesicular monoamine transporter (VMAT)	0.8518947	0.9182125	0.7710559	0.9998378	1.0356182	1.1495608	1.2357391	0.98566395	1,3102162	1.1114602	1.2990675	1.1293468	0.893483
Phase-1 RC1-273	0.81318116	0.81223774	0.81223774 0.82880425	0.9042289	1.0153139	1.0010017	1.0689605	0.9546981	0.9164756	1.0451697	1.1312445	0.9859355	0.9329179
Phase-1 KCT-230	0.74695337	0.7146993		0.72310686	0.83533424	0.97530085	0.9607096	0.93483186	1,3900086	1.1013391	1.4236934	1.3708019	1.0212104
Prase-1 RCI-74	0.7962145	0.7308989			0.96788484	0.9701829	0.9773548	1.1592219	0.940279	1.0128293	1.047813	1.0745181	1.0660439
PRISSEL RC 1-80	0.69835383	0.7180599	0.77824974	0.7337194	0.9580689	0.9770334	1.0587512	0.9715737	1.159165	1.0837314	1.1347307	1.1403397	0.9107967
Constanting Plans	0.7044523	0.0100001	0.004400.0	#2007/008.U	79910071	0.8937(09	1.04908/8	1.2071362	1.108907	1.0638472	1.100/924	1.02333	1.0283050
Deoxycyddine kinase	0.7265457	0.85007066	0.91482633	1.0986062		1.1178335	1.1148605	1.2484345	1.6935447	1.1352288	1.3833054		0.83987397
mostos polypnosphate mutikinase (ipmk)u	0.8335188	0.6711952	0.812216	0.7736219		_	1.0451534	0.9830123	1.166041	1.4077572	1.1576518	1.1234499	0.90331274
Neuronal cell agnesion molecule (Nr.CAM)	0.8192369	0.7326593	0.761929	0.7143813		٠.	0.99647975	0.68447465 0.9214809	0.92148095	1.3980935	1.1613463	1.2765524	1.1383329
Hepatocyte growth factor receptor	0.9464396	1.0340605	1.0028799	0.97149277	_	0.85122776		_	1.1697508	0.9297362	0.8300232	0.8926499	0.76836294
Empty	0.7972846	0.86781904	0.80555946	0.773191	0.98826617	1.0236824	1.0879178		0.90102935		_	1,0328321	1.0264369
Dopartine receptor U2	1.17.17018	1.094111	1.0023713	1.0605628	1.0210695	1,030002	0.9898531	1,229129	0.8821451	0.7784401	-	0.66965586	0.7783479
	0.90324163	0.85845598	0.87126315	0.9319496	0.99361926	1.0273581	1.000130	1.2694676	1.278198	0.8505977	0.8263808	0.8229889	0.7816467
Four repeat ion channel	0.8525894	0.784405	0.9134761	0.83863163	0.99568266	1.0097677	0.9978915	0.9978915 0.99260473	0.9834717	0.7212574	0.8347888	_	0.5277897
Agrenomedulin	0.5/0/355	0.6933417	0.60893404	0.6601207	_	1.0727403		0.933573	1.4500794	1.0555362	1.3820086	_	0.88934034
Caveolin-3	0.6798301	0.7405132	0.8305666	0.79693747	-	0.97046137			1.1539031	1.0467342	0.9811941	1.0755775	0.8286876
Phase-1 RCT-129	0.72166884	0.691255	0.7775085	0.70731497	0.9537605	0.9698032	1.0253513		0.96018773	-	1.0768709	1.0671605	1,0089608
Phase-1 KCI-94	0.74531704	0.75211126	0.99820584	0.93318594	1.0169519	1.0675995	1.0722774	1.0079485	1.2819693	-	0.95675397	1.13294	1.004946
Sarcoplasmic reflortum calcium ATPase	1.0267246	1.1700073	1.0653737	0.884858	0.96053046	0.9571156	1.080695	1.0390849	1.6863073	0.8430422	0.9956153	1.0861808	0.8620837
Phase-1 RCI-79	1.3026767	0.851852	0.8697784	0.9207615	0.9047365	1.0258797	1.156239	1.156239 0.96603674	1.2813902	1.029481	125728	1.315637	0.9926878
Phase-1 RCT-252	2.0133133	1.1652373	1.2234796	1.4942291	1,3074006	1.2799039	1.327399	1.2380458	0.9163883	1.2498994	Ŧ	1.0039749	1.2130235
Phase-1 RC1-151	0.995321	1.1551747	0.93649507	0.9604409	1.0297359	0.9583974	1.0066271	1.2900008	0.98738396	1.0279009	-	1.0117401	1.1174215
Frase-1 KC1-/0	0.7555943	0.6600251	0.8482925	0.760508	0.9648842	_	1.0622538	1.2259948	0.7516235	0.9590172	-	0.99858946	1.1179461
Pilaseri No I-130	1.23/4915	3C/1C/L	CD/DC/LT	1,1691355	_	0.94509065	0.91675687	0.8507806	0.842024	1.2820414	0.8285413	1.225369	1.2126486
25-flydroxyvitamin U3-1 alpha-flydroxylase	0.7906169	0.81254846	0.9221025	0.77043295	0.9296105	1.0324934	1.01112	1.0424109	1.522431	1.0940301	1.0886065	1.3054577	0.822319
Priase-1 RCI-119	0.9746108	1.0298239	1.0242066	1.1475055	1.1219229	1.1823338	1.254999	1.3293836	0.9827153	1.3721027	0.8768379	1.163349	1.2532401
Peroxisomal 3-Ketoacyl-CoA thiolase 2	1.0416964	1.0592822	1.0829824	1.0394281	0.8437558	0.9399003	0.7953528	1.0116673	0.78009033	1.7307568	1.4512855	1.2765489	1.2854508
Prase-1 RC1-146	0.80490816	0.8354396	0.8801082	0.79114383	1.0328479	0.9935144	1.0360625	0.9923474	1.9554602	1.1738262	1.0124935	1.3903377	1.0022497
Superoxide dismurase Min	1,2691382	1.3595304	1,3565977	1.1/53848	1.0385705	-	0.9670233	0.7837278	0.79877456	1.1081576	0.76120645	0.9786952	1.1276727
Filase I RCI-113	1.19101	0.8410536	0.88647	0.7879575	0.87592864	-			0.9538415	1391122	1.3146718	1.6860687	1.1535306
Арпа-т писториовинтелни ресигог (Аптор)	1.3774635	1.2516892	1,2349813	1.3297697	1.1595097	0.8529617	1.1076173	1.2322185	0.90777844	0.7694507	0,720576	0.7951389	0.9435417
Phase-1 RCT-18	0.8220249	0.87434715	1.046257	0.89838916	0.95298606	1.0036584	1.0189847	1.1100521	0.8910075	0.980386	0.9864244	0.9972533	1.1789563
Maspin	0.6968923	0.7317828	0.7641593	0.9178989	0.97072333	1.0238215	1.1232367	1.1348431	1,3409206	0.9115862	1.1832047	0.9247294	0.754291
Decorin	0.660505	0.7712029	0.789113	0.76916015	0.9649084	1.0063709	1.0458151	1.0402247	1.312563	1.2122358	1.3323317	1.2740961	1.0270649
Refinold X receptor alpha	0.7112421	0.7304942	0.84621376	0.7131659	_	0.87705624	0.8598817	0.8205237	1.2064072	1.0935203	1.0425117	1.1905549	0.89538294
Cellular nucleic acid blinding protein (CNBP)	0.94545597	1.0092078	1.1008208	1.0470164	0.9512638	0.8426453	0.89569235	1.3132309	1.1758398	0.7509708	1.0203528	0.91549766	1.0129628
NADPH cytochrome P450 oxidoreductase	1.1493329	1.0152721	0.9446126	0.73925376	0.7581552		0.8368132	0.62880343	0.94281307	1.8667934	1.2272267	1.8059307	1.1564857
Malic erzyme	0.75292796	0.7161185	0.9130188	0.8071677	0.9027766	2,2406094	0.896699	1,2241528	1.2251614	0.950278	0.9332063	1.1041304	0.96283907
Caspase 1	0.73607665	0.8758698	0.95922494	0.7750774	0.87788385	_	1.0884842	1.0207813	1.6244497		_	1.2985222	0.84623665
Second	0.73043343	1.222010	1.0922426	1.2398707	1,2333016			0.86628535	1.2283302	-+		0.88614464	16//806.0
Poly(ADP-ribose) polymerase	0.91606346	1 0504817	0.0034967	0.79302290	0.36242456	1.0494255	0.78813475	0.83899826	1.3508259	0.86003	1.0635991	1.1836067	0.9787451
Tissue plasminogen activator	0.9198898	0.9471833	1 1048178		0.0535774	0.9444110		0.09707013	0.7467406		٠.	-	0.031 13000
Multidrug resistant protein-1	0.7047332	0.8350781	0.9202583	1.0028453		0.6603245	0.63470256	0.743039	1 0733379	1 2291089	-	1.3389136	1 0889814
Phase-1 RCT-207	0.92847365	0.96471983	0.9595952	0.9372601	0.9713334	0.95851535	0.96772116	0.9564756	1 2306519	1,1014919	1.0934129	1,2990397	1.0815156
Phase-1 RCT-181	0.9112537	0.9037513	0.90312463	1.0452851	1117		0.94185567	1.0438258	1.0899425	+-	0.80897707	0.6443517	0.77568656
Gap junction membrane channel protein beta 1	1.2486413	0.5707518	0.7053135	0.61647993	0.8715988	0.86918306	1.6413105	1.5350022	0.6861933	-	1.1650015	0.8883158	1.1152383
(Gjb1)					_								
Aquaporin-3 (AQP3)	0.81872505	0.78134614	0.9689041	0.967064	ᆔ	0.98920834	0.9813522	0.98648816	1.1888489	1.1968999	1.0089343	1.27768	1.2750177
Myelin basic protein	0.7548559	0.80867326	0.8069548	0.72126615	_	-	0.54071116	1.1248947	0.83997846	0.91224706	0.98966026	1.043417	1.1976856
Calgrandin B3	0.9067254	1.0142208	0.91030234	0.86890733	0.96092105	0.98386747	0.9552508	1.0926272	1.1859689	1,2281487	1.1143667	1.2658327	1.0469623

	1	15183182 0.9132113 0.81283817 0.91389316 0.7101352 1.5183182 0.9132113 0.81283817 0.91389316 0.7101352 0.5030431	4 5454700	0 052903	0.65108424	0 6845373	0.7101352	1.5183182	0.9132113	0.81283617	0.91389316	1700071	٥
hase-1 RCT-156	0.8720071	0.8/814/30	1.6134106	0.0002000	100000		1,000,000	7,00000	0.0700444	COCCOST COSCULATE O BERNAMES O ROBODISEA D 0878112 0 69585407	0.89500354	0.8876112	9
noteasome activator 28 alpha	1.1990241	1.1990241 1.3711619	1.1556495	1.0894926	0.92427796	1.1556495 1.0894926 0.92427796 0.9444916 0.96368617	0.96368617	O.Suppacio	0.8/001140	0.0004	0,00000000		
													l
1) Gene expression data for 72 hour timepoint					-								
re presented as mean ratio of treatment/control						-							
or all 72 hour predictive genes (Table 25).													
2) Compound and dose abbreviations as in													
able 1.													İ
 Individual animal rumber 													
 Liver inflammation classification for compound lose group at 72 h: yes-necr, nacrosis observed; 			-		-								
res-both, necrosis with inflammation observed; 10, no histopathology observed													
(5) Predictive gene (as In Table 23 and as													
neturied in Table 26)													

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PUR 150 PUR 150 PUR 38 PUR 38 PUR 38	OCIN 100	QUIN 100	QUIN 100		QUIN 25		STRZ 20
37 38 39 27 28	29 2557	2558	2559	2547	2548	2549	1727
on on on on o	8	2	입		2	8	
		_	_	-		4	, ,00000
1.0469544 1.4868251 1.0183531 1.0865618	1		1	_		4	1.1230616
1.0198315 0.76172113 0.708125 2.3014543 1.7721671 1.18	1.1815759 1.2336817	1 0205424	1 0174839	1,3380599	0.95236063	7798980	0.86525834
1.07.06591 1.07.0059 1.005.050 1.5869088	1	1 0519153			0.90422654	-	1.301183
1,1291597 1,0730568 0,8673684 1,1497286	ፗ	+	+			0.99340373	0.7363272
0.7378559 0.70473415 2.093369 1.6481699	1.1628311 1.1423194	0.83194727	0,8060568	1 2920842	1,2397969	0.8959155	1.0930523
0.8806128 0.9478211 0.9487184 0.9928631	_	Ļ	l	1.1178798	-	0.94747853	0.851363
0.8630678 0.7455126 1.0309684 1.127659	Ļ		0.9281902	1.2361727	0.9723044	1.0433387	1.0319701
0.9058021 0.9483326 0.89976203 0.8778519	0.91828907 1.0347557	0.9685224	0.961728	1.0376343	1.044665	0.990129	1.1928066
0.9866162 1.1319643 1.2059336 0.9923154	0.99472713 0.965848	1.0054578	1.048399	1.022166	0.9787921	1,0321975	1.1552222
1,2378268	וַנ	1.0351181	_	0.97124	1	0.92806345	1.0490184
1.1263247	_		_	1.0239049	0.9990471	0.9877148	1.1826976
0.60363394 0.6100757 0.8469037 0.6878629		1	4	_	1.2497916	1.031308	0.9210587
0.89338243 1,0437958 0.8329732 1.14796 1,2016673 1.08	1,0821118 1,3713683	0.9511127	┙	_	0.97025865	1,3100522	1.3096378
1.2051399		0.9772245	_		0.9864537	1.2483404	1.009289
1.1875312	\perp	0.9406163	L		0.92601645	1.2728403	1.8285745
1,2418939			_			0.7413841	0.9827966
5 1.474765 1.3814731		0.8875347		0.89148196	0.89999994	0.91389793	1.3616997
2.4452744 1.7525593 1.6758987 3.4131618	↲	1.039257		3.54688606	0.54686606 0.98682225 0.92338425	0.92338425	1.3758851
1.0635295 0.7660577 0.9934394 1.200883		1.0257162		0.81942785		_	1.0793059
0.6301874 0.74231625 1.1646835 0.713587	익	0.96076		0.55/38/95	_		0.8/2053/4
0.49253386 0.6388749 0.9591691 0.8350828	0.69810885 1.1859654	1.1193604	1.1508/3/	0.9071396	0.6326336	1 67 10C173 A	1 0630569
1.0233244 0.0641433 0.726636 1.1814031 1.238867 0.34	1 2024025 0 88700867	0.0930307	0.0007878	0.8537738	1 0299475	1 0049129	1 1423379
0.64164114 0.6754041 0.98234123 1.1037228	_	1.0534307	0.94399416	0.929557	1.114207	1.0610856	1.1961728
0.8153869 1.1420785 1.0845861 0.7459799	_	1.0247386	0.9737765	1=	-	0.95054805	1.0279847
1.042019 1.3447319 1.2370393 1.2231554	_	1 -	0.94648707	0.8227094	1.0527912	1.0758228	0.9128224
0.9473743 1.1399964 1.208268	2.18831 1.0275662	0.9655668	0.97057285	1.2772483	1.0442889	1,1849829	1.0818595
1.0560583 1.1351736 0.64648527 0.8628525	0.8683935 1.0091171	0.97056528	0.8733599	1.1145421	1.0591134	1.099322	1.0801872
9 1.1934485 0.96084976 0.8295623	1.0237348 0.9642554	1.03769	1.0833944	0.894759	0.9816111	1.1124415	1.0135547
1.3447627 1.386468 1.3633182 1.3280164	4		1.038579	1.0071128	0.9982767		1.0902256
0.9116112 0.9989553 1.0384403 0.9716684		_	0.85205925	0,771831	0.9966442	1.0022/06	0.96118265
1.100/136 0.6413593 0./013043	4 0487070 4 4405054	0.0550367	0.000430	1 0707306	1 0774904		0.9955062
0.931/0394 1.210/0394 1.2034040 0.2210/030	_	+-	0.8977455	0 8489114	0.801818	0 8866505	1 0782997
COLORDO NECESTO ON SECONO LA COMO DE LA COLORDO NA COLO	_				2122		
1.0763612	8	0.74799764 0.60684663	0.8468082	1.4190978	1.4190978 0.66789025		0.89328474
0.98748326 1.2237755 1.2437594 1.1540362		0.9403235	1.0517151	1.0543463	0.8991604	1.110257	1.0614508
1.2332436 1.2934813 1.5883206 1.4752223	4	0.96806455	_	1.0649211	1.0649211 0.85978863	0.96284646	1.0560724
0.65726805 0.7497985 1.1782671 1.0598985		1.0812595	_	0.89933294	1.055183	1.0134283	1.4864602
1.1043688 1.5152342 0.8576438 0.77316135	긔	_	_	0.8375268	0.89825195	-	0.7229445
0.814232 0.7649192 1.0909609 1.2609106	_	_	_	0.96782494	0.88968303	_	0.98658045
0.8787563 0.6431108 0.6004228	0.81589943 1.0058078	1.0487918	1.0578873	0.9833363	1.072942/	4000000	4 2377403
1.07.04457 1.04.05084 1.0207.037 1.0220044		0.0853820	4 0446832	1 175886	4 0180538	1 1423082	1 0472834
0.9943UU3 1.1848U04 U.73UU322 U.7763U41	1.2000000 0.8000341	4 0057848	1,0410032	1 008643	1 1570877	1 1131417	1 2271826
1 1298864 1 1880814 1 2147379			0.96394193	0.933829	1.0178577	0.97609385	1.096472
1.2130663 1.2665112 1.1546273 1.1262238	Ļ	0.85319414	1,005791	1.2416811	0.86730117	1.1273302	1,4545006
1,1724919 1,2498205	1.0102451 1.0691932	1.116098	1.1708552	1.1328993	1.1619825	0.9424266	0.9400481
1.0813498 1.0550641 0.9016449 0.9457044		0.8831902	_1	1.1883657	0.86600757	1.1743592	1.2509942
0.96076155 0.99045205 0.997305 0.9949661 1.1209311 1.10	1.1097815 0.7817388	1.0916529	0.928623051	0.9058779	0.97502853	1.08647041	1.048/285
0.35045201 1.0554560 0.5545600 1.156550			12010020	1,00 (0,000) U.0000000	0.92.02.001	Viscouries Consolite	Cococcoci Cococci Cococco Cococcoci

Phase-1 RCT-68	1 0182993	1 1531304	1 0504894	1.0837033	1.1440877	1.1570332	1 0484443	0.9509151	0.983961	1.1161438	0.9828708	1.0767516	0.9766213
Ovdin G	1,1109953	1.1525946	1.2580379	0.7066745	0.777706	0.9689105	1.0416487	1.0122622	0.96658194		0.99748284	1.0105475	0.9127418
Hypoxanthine-guanine phosphorbosyltransferase	1.0240201	0.8975225	1.0326848	1.3370832	1.3403425	1.2674739	1.0147275	1.0128499	0.96760106	1.1663437	0.98708457	1.2400029	1.0925663
Tissue inhibitor of metalloomiejoases-1	1.1330237	1.1369479	1 2830403	0.9020962	1.1033915	1.1391195	1.0206884	1.1473837	1.0225059	1.0104771	1.0302728	1.0779519	0.9084363
ID-1	1.2615533	1.3146147	1.3827903	0.73996468	١.,	0.95263755	0,942963	0.93108356	1,3034993	1,0188749	1.0333211	1,1707402	1.0857637
Ribosomal protein S9	1.2088898	1.1248084	-	0.94009304	₩	1.109907	1.131252	1.1284793	0.98440695	0.9224803	1,0465045	1.23451	0.93231
Нете охуделазе	0.9446513	0.79511287	1.0520005	0.9218939	0.78837043	0.87278414	1.0665464	1.0097294	1.0589777		-	1.2546574	1.0266395
Ribosomal protein S8	1.148	1.0036935	1.212705	1.307402	1.4015243	1.0982655	1.0277543	1.1383861	0.96202093	=	-+	0.97306234	1.0823162
Ribosomal protein 517	1.4084348	1.3080891	1.4854932	1.5228725	1.5909503	1.1475215	0.8590368	1.1023302	0.88613427	19.000T	al.	4.0000420	1.03/2004
Nucleoside diphosphate kinase beta isororm	1.09877	1,0/90161	1.456/969	1.0509847	1.26/4/62	1.1306401	1.04885/2	1.120888	1.0000212	1.02/2031	1.1019201	0.000120	0 0517300
Prisses Russia	0.84000004	0.0000000	U.54200001	-	_	202707.0	4.0690004	1.1723400	4 05005047	1 200 0010	4 075004	4 9363084	4 4975498
14-3-3 Zeta	1.0731205	0.97358038	1.1013387	4 4040400	4 365087	1 1216050	1,0562280	4 0438628	2009000.1	0 930410	1 0400567	1 0367074	1 0488125
Boto tribuith close 1	4 477820B	1 26120	4 3868507	1 2361000	1 2438154	1 30G324B	0 9371563	0.8791301	0 86864424	1 1143123	0 802021	1 2649281	1.4117148
Organic cation transporter 3	1.2671131	1 0252182	1.3371798	1.2080355	1.2020082	1,127458	1.0406392	1.0527525	0.9585852	0.85914284	1.0836623	1.0978192	0.8784431
Beta-actin	1.0112054	0.8008941	0.6906413	1.0390668	0.9115635	0.7269368	1.019095	0.50540775	0.95003766	2.151073	0.6221959	1.2349494	1.495564
Cathepsin S	0.947246	0.93722516	1.1494035	0.8809963	0.8732019	0.9738257	0.7689259	0.8096504	0.87198985	0.83938354	0.99831605	0.8289139	1,0151666
Biliverdin reductase	1.1563157	1.1467459	1,3056004	0.80667067	0.8937793	0.9793118	0.9856123	0.9753521	0.9959527	1.060894	1.0101516	1.0917469	0.9464261
Phase-1 RCT-154	0.9728951	-	0.96942425	0.87063164	0.88032573	0.9121558	0.9121558 0.93969923	0.98889405	0.8999308	1.0889157	1,073549	1.0663593	0.9925309
Phase-1 RCT-293	1.4789972	1.3402593	1.3857575	1.5024742	1.198498	1,2000381	1.0998509	0.96524817	0.928076	0.89586705	0.96777034	0.9735542	1,0345396
Armexin V	1.3679475	1.1459998	1.2141554	0.9995727	0.9814941	1.092444	0.99653524	0.98405325	1.098367	0.91897255	0,9559153	1.3144962	0.9222842
Complement factor ((CFI)	1.5084509	1.4866849	1,5591593	1.5654742	1.5344905	1.2214165	1.272267	1.1664926	1.2760028	0.8628168	1.1209046	1.0972278	1,2087835
Phase-1 RCT-276	1.258863	1.3388242	1.1032345	1.2308913	1.371829	1.1828954	1.0139815	1.065901	0.95557123	0.8421357	1.1553407	1.0342854	0.96663773
Tyrosine aminotransferase	1.6940747	1.3450538	1.8039979	1.8954868	1.8710324	1,5636778	1.1335582	0.68458223	0.6312726	0.71445066	0.86474824	0.7747487	0,68370116
Glutathione peroxidase	1,162546	1.264209	1.1041045	1.9379194	1.2842818	0.9947592	1.1804168	1.1632307	1.3581073	1.1079212	1.1392188	1.1079737	1.0404441
Histidine-rich glycoprotein	0.86695415	1.0750732	0.9634341	0.8015338	1.0045171	1.0754094	0.71841896	0.8932222	0.7673864	1.0610898	1.0145997	1.0662149	1.4827397
Carbonic arthydrase III, sequence 2	0.94871867	1.1358813	0.9878999	0.7682258	1.0576476	1.0241748	0.7735006	0.90112	0.7343755	1.0036691	0.913878	0.946173	1.4003873
Phase-1 RCI-92	0.99248266	1.0825793	1.0478696	0.8359088	1.0203378	1.6037513	0.88/8049	0.8045916	1.79692584	4 4106365	0.92353374	1 1820730	1.23/6045
Dhoe 1 DOT 88	0.09800034	-	-	0.0 78800726	0.0533368		0.81153095	0 93496826	0 8044455	1 0233022	0 99268785	1 0335037	1.089173
Phase-1 RCT-296	1.2837338	1 2482022	1 2287538	1 5559222	1.3193245	1.014712	1.3793734	1.0168829	12748151	1.0527022	1.1184042	1,2117409	1,2210819
Phase-1 RCT-161	1.3567955	0.93055165	0.89211965	0.997927	0.9084759	1.000767	1.0643568	0 97728556	1.0609033	0.7762936	0.9539688	0.9378756	1.1431577
Glutathione S-transferase theta-1	1.0444516	1.0778705	+-	0.92936474	1.297035	1,1155844	1.6189678	1.3282545	1,5281242	0.8726201	1.1257445	0.9794065	1.2650352
Phase-1 RCT-168	0.99113303	1.08544	1=	1.0805712	1,1993314	1.0198944	1.0044992	1.0447726	0.98784035	1.1242137	1.0821414	1.2620863	1.1374526
Phase-1 RCT-182	1.0029396	1,3862813	0.9182143	1.3260059	1.2973969	1.1329453	1.0510216	1.028935	1.1142435	0.83071413	1.0570762	1.0466124	1.0382352
JNK1 stress activated protein kinase	0.93417513	0.8389974	0.81329995	1.0492048	1.3084962	0.9194116	0.8284442	0.7118857	0.682459	0.76132524	0.93811333	0.6988762	1.112221
Phase-1 RCT-81	1.352215	1,4763887	1.4186684	1.5260962	1.7599847	1.441407	1.0881356	1.0996834	0.92265433	0.88485736	1.0965097		1.0095319
Phase-1 RCT-33	0.98269653	0.91677034	0.9877515	1.0939077	1.0900801	0.9917615	1.1144661	0.70812476	0.8537341	0.95483	0.9098275	_ +	0.90099895
Phase-1 RCT-178	0.7967309	0.7744428	0.69385403	0.8534157	0.89599884	0.85655858	0.9521902	0.95625633	0.7878282	1.20035/7	1,1395935	0.90304726	0.99351564
Appripaprotein Citi	0.878228	0.77207895	0.7462360	4 2254702	1.001023		0.90002464	1,0183423	0.666/3141	1.00103/3	4 072027	0.0926430	0.977.9025
MADU CASAMON HE ENGINEER	0.934555555	1.12/49/6	0.6/6/9124	1.2351/33	1.3336181	0.0766550	4 0720407	0.90944004	0.86044083	1 0854354	0.882544	0.3323430	1 2001817
Maha 4 Jakibilar III	0.8003233	0.93009000	0.93900000	0.8302230	74047023	0.9700303	0 8187084	1 4805497	1 3941854	0 8784005B	1 0005509	1 0305763	1 3097513
Phase 1 RCT 233	1 0491097	1 0106066	7586850	0.8759333	0 79740844	1 04777	1 020995	0.89939487	0.9563673	1 1401753	1.0717129	1.0693347	1 2962923
Paraoxonase 1	0.7415383	0.765952	0.90241164	0.9667567	1.092633	0.82139456	0.9065319	0.93758804	1.080976	0.7414972	0.8478844	0.7690818	0.95918703
Presentin-1	0.48300534	0.43995678	0.49460426	0.8171002	0.7293739	0.8733891	0.85684085	1.3601305	1,3173056	0.923374	1.0545816	1.0521121	1.3232665
Apolipoprotein C1	0.7885436	0.87713295	0.5511113	0.83334655	0.8197776	1.0104177	1.0345109	1.002847	0.8613769	0.80508797	0.7016537	0.91139734	0.90541935
Cytochrome P450 2C23	1.0617442	0.7065878	0.8377543	1.1686864	0.8273016	0.81724846	1.0420192	1.0558982	1.0696892	0.87483007	1.0480505	0.8232759	1.0559592
Phase-1 RCT-227	0.704148	1.1398218	0.77392775	0.9018074	1.4272811	1,01869	1,092821	1,0803473	0.90604794	0.6957379	1.0906979	0.9052244	1.1952057
Hepatic lipase	0.6816926	0.8349461	0.97749776	0.745806	0.7498647	0.7513719	0.9126101	0.844891	0.86102873	1.2477885	1.0197495	1.0285476	0.91974604
Phase-1 RCT-164	1.0474497	0.8834072	0.9054821	0.91489327	0.88367593	0.99861157	1.0511123	1.0485944	1.077022	0.97295475	1.248504	1.2258356	0.91025/1
Multidrug resistant protein-2	1.1651609	1,2226619	1.1739436	0.8518618	0.7221483	1.067969	1.0921131	1.0364594	1.5300651	1.0384275	1.05/535	0.9735326	0.9449586
Insufur-like growth lactor I, exon 5	4 2205470	0.77374536	4 0005053	1.3330091	4 2222645	0.93389434	1.248/350	1.0/18/61	1.3233220	1.203440	0.7834837	0.040372	1 06552103
(ST1C1)	R/16027.1	0.93404/33	1.0020033	1.14.34031	277043	0.8613801	0.8430027	1.1330402	025/55U.1	V.02330£40	_	2000	20000
Dynamin-1 (D100)	1.1457201	1.0842416	0.9736155	1.1832037	1.343775	1,2038401	1.0593034	1.0393091	0.9658502	0.956245	1.0382197	0.94853526	1.046778
DNA polymerase beta	1,2257593	1,2064179	1.3049551	1.0452371	1.2771187	1,2633616	1.0848753	1.1222559	1.0152575	0.7266316	0.9039976	0.911684	0.8873796

Phase-1 RCT-173	0.96413493	0.88774544	-	0.69657993	0.8279744	0.0205803	0.07942045	4 4000000	4 004000	4 4047007	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1
Ubiquitin conjugating enzyme (RAD 6 homologue)	1.1770309	1.0510105	1.2510171	1.0002911	0.8466367	1.0416238	0.99835736	1.1255294	0.982655	0.9219541	1.0399281	1.1252346	0.932471
Ribosomal protein L13A	1.3701069	1.0624647	1.2513981	1.5592958	1.3942051	1.1819658	1 1408056	0 9728406	4 0603574	4 0487089	1 0457848	4 206384	0.0709044
Phase-1 RCT-144	1.1121991	1.1004653	1.0910759	0 9090613	O RRZRGRZ	1 A380138	0.058241	0.073866	0.0007476		0.0427040	1.200301	0.9763044
c-H-ras	1.0245976	1,1115841	1 2530117	1 0582985	1 3484690	0 97474647	4 0780877	0.00000	4 0704007	0.000200	4.0400454	1.010000	LEVOUZEO.
Vesicular monoamine transporter (VMAT)	10342048	1 1414992	1 0415913	1 0214039	1 0845035	1 0784925	0.05735604	-	1.07.34307	0.802049	1.0180434	0.9432028	1.004/86
Phase-1 RCT-273	0.8655388	0.9200508	0.9843688	0.8095707	-	0 90952644	A RODOGA	-	0.054 10200	0.3320043	0.0444470	0.83133330	100000
Phase-1 RCT-230	0.9865127	0.946827	0.9231017	1.0073223		0.9046579	0 83844304	0.8645949	0.0010552	0.93311258	4 0270263	4 0636065	0,803913
Phase-1 RCT-74	0.9104232	1.1965545	0.85152155	0.99251044	1.011416	10106441	-	D 89430094	O 8631133	4 244044	0 02679796	4 0742447	0.0000000
Phase-1 RCT-80	0.9901568	0.95379514	0.9678215	0.95170254	-	0.95157856 0.77152324	-	-	0.88046473	0 0555334	0.92906366	0 8250214	0.7003020
Phase-1 RCT-158	0.97230846	0.91420144	1.0302926	0.79571708	-	0.8094564	-		0 93804735	1 0239764	1 0067608	1 0024834	0.0322897
Deoxycytidine kinase	0.7804346	0.98872495	0.98177713	0 7897769		0.02554456	-		4 0004507	00443000	4 7604440	0.000000	0.2420003
Inositol polyphosphate multikinase (lpmk)0	0.935575	0.91776496	0.96088654	0.9219216		0.8723719	0 R1132746	O RESEAROS	0 906597	0.9142000	0 86600165	0.9900739	0.741/485
Neuronal cell adhesion molecule (NrCAM)	0.90684095	0.9864135	0 97017354	1 0655391	-		-	-	0.0000000	4 4009064	4 0400000	0.027 1007	U.B.143043
Hepatocyte growth factor recentor	0.8127052		0 72069036	C956309.0			_		4,400,100,4	1.1003231	1,0492300	0.9594554	0.816/7
Empty	0.973617		0.8721621	1 0547484	1 0750854	4 040334	0 6403040	0.9903814	1.1004299	1.090865	0.96550445	1.0916928	1,5920218
Dopartine receptor D2	1 1172934	1 3028952	1 2092821	1 9703430	1 5482401	4 434878	0.0103040	_	4 0440647	0.803331897	0.927.3747	0.8981565	18/8C07.0
Phase-1 RCT-51	1 0255342	1 0342026	0 8060384	1 4374405	4 0743697	1 0003977	0.000000	100000	1.0413047	0.30430630	0.84270927	0.94061893	0.8501076
Four repeat ion channel	-	0.95707256	1 0R65215	0 9749007	1 0003033	0 000 4404	-	0.0300144	0.910//41	0.9230709	106057970	0.9035083	0.9369781
Adrenamedullin	-	0.00111878	0 8043744	0.72776074	1,0002033	0.3500000	٠ta	-	0.6793849	SUSSECUE!	0.93115926	0.93499535	0.8563894
Caveofin-3	10281482	0.951 1070	0 02673975	0.72773074	0.633/831	4 000 4338	0.720072	_	0.73977853	0.9159796	0.8330056	0.7974687	0.6890873
Phase-1 RCT-129	O 9688648	1 0232033	0.0220.0310	0.025000	0.0000019	1,000433		_	0.00001/23	1.0001328	0.9880203	0.9824/53	0.79454494
Phase-1 RCT-94	0.92717737	0.9577047	0.94786828	4 0024082		0.9030001	0.7972162		0.844358/4	0.91/6/33	0.8083559	0.8433904	0.8210878
Sarcoclasmic reticulum calcium ATPasa	0 8900883	1 021308	4 4755474	0 04047000	٠.	0.37023020	0.90003104	=+.	0.9/64/116	1.020/3/3	0.935/1626	0.9204283	1.02455/6
Phase-1 RCT-79	1 013707	0 9879593	0 0576840	4 0440552	0.04795506	1.0100012	0.800/83	0.6671646	0.9656532	0.9722773	0.8065908	0.9439349	0.868624
Phase-1 RCT-252	-	<u> 1</u> -	0 7102080R	0 850018	-	0.8280455	1.0316/1	0.9106698	0.9856826	0.8202695	1.1222854	1.1479465	0.9819905
Phase-1 RCT-151		-	1 0346305	0.05534404		0.04000400	-	0.0301633	1.0102307	4.654262	0.9358/80	1,955,1926	1,04/3812
Phase-1 RCT-70	0.9691556	1,2162663	0.8304035	1 1247804	100	1 0445757	-	0.0368683	4 0380100	1.1011334	0.80392334	1.0009132	1222061
Phase-1 RCT-150	0.70903087	1.0111668	0.9830833	0.89279577	1.1063768	1.001245	1 2994884	1 1696029	1 1764979	1 128734B	1 2114564	1 4670703	4 9684097
25-hydroxyvitamin D3-1 alpha-hydroxylase	0.89678746	1.0163624	1.1126927	. 6	0.61769678	0.8097007	0.9701609	1 0517114	1 0047756	1 1044579	4 0517198	0 0831003	0.828253
Phase-1 RCT-119	0.41970706	0.73771733	0.43270272	0.98524755	_	0.82911503	0.9278123	0.83386314	1.0116128	1,1168777	0.9578014	0 99368465	0.9758685
Peroxisornal 3-ketoacyf-CoA thiolase 2	1.0140221	1.1002069	1.1233325	1.0759414	1.311786	1.0929551	1.2500901	1.297303	1.3519835	1.3613467	1.2114456	1.3046417	0.98021764
Phase-1 RCI-148	0.9304407	0.95086175	1.0312347	0.8980839	0.7836394	0.92558414	0.85899293	0.9796795	0.8998202	0.9441484	1.0135881	0.94997525	0.9368497
Superoxde dismutase Mn	1.2357193	1.3247412	1,2916013	1.3172843	1.5225785	1.206582	1.1780657	1.1686528	0.997289	1,1394492	1.129725	1.1959537	1,1027157
Phase-1 RC1-115	1.247658	1.288404	1.277859	1.3944594	1.1703907	1.075876	1,0241059	0.9032672	1.0305599	1.5595589	1.0480957	1,1163965	0.95281976
Alpha-1 microglobulin/bitunin precursor (Ambp)	1.3794248	1.4971727	1.4347867	1.549811	1.7922391	1.4725221	1.1625497	1.2028047	1.0130603	0.8408277	1.0909973	1.1167821	1.1407892
Phase-1 RCT-18	1.0287815	0.95279926	1,0005987	0.98541266	0 9044365	4 0232558	0 9040980	7008077000	0.80620146	4 0272504	0.04044667	0 00000044	0.000000
Maspin		0.99546474	0.9210596	0.85069627		0.83769786		_	0.03020143		0.04014000	0.03303014	0.3030194
Decorin	_	0.9175974	0.9842502	0.9067184	_	0.82648873	1-	-	0.8032228	0.8511787	0 9288307	4	0.7034404
Retinoid X receptor at pha	0.8497679	1.1068015	1.0261593	0.66404104		0.92460746	-	1.050136	1,1121967	1.055664	0.9670002	1 0133436	0 98408174
Celturar nucleic acid binding protein (CNBP)	1.1158662	1.1130784	1.1536142	1.1916307		1,3116562	0.99999994	1.0833293	1~	0.92605174	1.0118968	1.0110765	0.9188826
NAUPH cytochrome P450 oxidorectyclase		1.04804	1.0045353	0.8585203	1.033585	1,1150255	1.0308007	0.99111354	1.0396476	1.2358155	1.0982035	1.1426502	1,213655
Malic enzyme		0.81467354	0.6630443	_	_	0.78400207	1.197883	1.1137066	1.307659	1.3331271	0.8983307	1.2624254	0.84670454
Costalin		0.91834694	0.8926783	_		0.97783524	0.9158297		_	1,2123139	1,088369	1.0779474	0.95600337
DARCOC	1.0688258	1.052538	1.1829597	1.2226878	1.2173318	1.1449918	1.0668005	-+		0.84945244	1.1330378	0.9185944	1.3013784
Poly(ADP-fhose) polymerase	1,1121/69	1.2996013	1.4052888	0.74149704	_	1.122785	0.8622025	1.0350207	_	0.94531953	0.983964	0.9177188	0.8806158
Tissue plasminoden activator	1 1177018	1 0212727	1 1875848	1 947948	1 5445704	4 0500050	1.0391625	=15	0.9721965	1.1302532	1.0342768	1.1734868	1,1117812
Multidrug resistant protein-1	1.0469954	1.23671	1.1489909	-	0 78916824	1 0102628	1 1044311	1144785	4 E365303	1.0244608	10.8272085	1.0160311	0.8905484
Phase-1 RCT-207	12	0.95141125	1.0384041		0.73228383	0.8810274	1 0045477		0 04577715	1 2061261	+-	0 0000000	1.0326901
Phase-1 RCT-181	0.92414075	0.9035757	0.88039863	-	-	0.97764206	0 9915999	٠.	1 0824454	0 9865335	-	0.90(333)33	0.83091397
Gap junction membrane channel protein beta 1	0.98518455	1,4510382	0.8943381		-	1.1951393	1.6567571	0.9164935	1.5153829	1.5355358		1.5903025	1.551923
Agriconom 3 (AOP3)	Carcaca	4 0340000	0 04000007	200322007	,0000,20						-		
Myelin basic protein	4 4772026	_	4 2002600	-	4 020000	1.013484	0.9285013	0.9998991	0.9228624	0.9686271	1.0059766	=	0.96844447
Calgrandia B3	4 0000000	0.9723073	-	-		1.012126	1.1065224		1.0824077	1.1946568	1,014807	1.0877187	1.1614497
	1.02386271	0.8308346	1.0562463	0.75825383	0.76420873	0.84370476	0.9628117	0.9720698	0.94937736	1,0833751	0.9596611	1.015372 0.9698360	0,96983606

Dec. 4 Dot 150	4 0500057	4.050.0571 4.1524106 0.9420644 0.93997826 1.0281737 0.9988454 1.1244106 0.9420644 0.93997826 1.052237	1 1726009	1 0469819	11144736	1 2219236	1.0381737	0.9986454	1.1244341	1.1844106	0.9420644	0.93997928	1.0622237
Protessorms articator 28 aloba	1.0820715	1.0357869	1.219517	1.219517 0,73730665 0.78665686	0.78665686	0.857769	1.0430508	1.0859379	1.0534103	1.0534103 0.8407846	0.9647698	0.833888	0.833888 0.90168816
		1											-
(1) Gene expression data for 72 hour timepoint													
are presented as mean rank or updaring incoming for all 72 hour predictive genes (Table 23).									-				
(2) Compound and dose abbreviations as in													
(3) Individual animal number													
(4) Liver inflammation classification for compound does may at 72 tr use near nearness observed:								-					
yes-both, necrosis with inflammation observed;													
na, no histopathology observed													•
(5) Predictive gene (as in Table 23 and as													
litigued III Table 201													

Table 30. Expression Data for 72 Hour Timepoint		,											
			П	П	П	П	П	П				Ť	460
Compound-Dose (2)									TAM 50	1AM 50	1 AM 50	121 130	1248
Arrimal Number (3)	1728	1729	1737	1738	1739	1457	1458	2	184		١	1	2
Liver Toxicity Inflammation Classification (4)	8	ē	2	2	2	2	2	2	8	2	2	Yearlea	32
Gene Name (5)	, ,	4 4000004	4 0564770	0.0000046	4 2200e44	0.96277487	0.08121514	0.9468518	1 1506951	0.8184298	0.9235434	0.6898616	0.6291339
Phase-1 RCT-107	1,4496994	1.1206301	1.201/12	0.5005.0	_	٠.	40049664	0.9756970	0 38850107	0 8091702	0.36628702	_	0 25745818
Betaine homocysteine methyltransferase (BHMT)	0.7121674	0.7502647	0.76191616	0.14056554	1.230694	-	13164668	1 1199378	1 1565125	1.0259466	1.0431465	_	0.7591012
Proliterating cell micear artigen gene	0.70570705	4 268242		1 7088546	1 2547769	0.9320041	0.9621029	1.0300053	1.0288837	0.83334833	1.0165128	_	0.70265996
Cylindrical Press 2010	0.8320344	0 0201089	0 69845194	0.8527751	0 9220443	10354841	1.4142562	1,7224123	1.8105075	1.2024767	1.1388794	0.8542774	0.800182
Cyndulona 1450 2011	4 246017	0.8201509	0.85606264	0.7687791	1 053919	0.5143609 0.51173097	0.51173097	0,5410875	0.56283045	0.8366842	0.9041629	0.65257305	0.4169931
Prisse-1 ACT-550	1 3344548	0.8144755	0.8485366	0.83626133	0.92755234	0.7612529		0.80519134	0.806898	0.7894463	1.055462	0.90276164	0.7718754
Bota-artin comones 2	0.6950991	1 213172	0.9740806	1.0384789	0.81514937	1,1101569	0.9998228	1.034017	0.950477	0.78938836	1.1876013	0.5892997	0.594144
Dena 1 Det 200	1 1432822	1 1017989	0 95900625	1 3243392	0.89711565	1 2376605	1.2966425	1,2679335	1.3037096	1,0804348	0.97954935	0.9942531	1.080346
Princeto Virgos anterio	2 439358	0 97893566	1 1632777	1.0870942	1.2145282	1,0311542	1,3139831	1.583705	0.8967425	1.1414819	0.9813544	0.85883396	0.6784725
Ostopartish	1 2243099	1 2246249	1.0846802	0.95745194	1.1001284	-	1.4004896	1.4354622	1,1097194	1.4593738	0.9994506	1,4489881	1.111706
Caloramilio B1	1.0862466	0.89364225	0.9874293	0.9874293 0.89175445	1.2570667	0.82458675	0.86897606	0.9075859	1,0998076	1.1190886	0.93236065	0.64305305	0.6151461
Apolipoprotein All	0.45918557	0.76945865	0,5248302	0.64772224	0.73745364	0.5425714	0.75541013 0.82474244	0.82474244		0.4179815	- 1	0.33692843	0.29619628
Cornextn-32	1.4766953	1,3910663	2,3556392	1.7587031	1.5295956	1.075753	0.639167	0.79549515	1.0519248	1256216	0.9976401	0.6189352	0.70213014
Phase-1 RCT-109	0.74661946	1.011249	1.1535703	0.65542954	0.919185	0.865861	0.9696283	0.8710962	9	1.1426961	0.9232483	0.69160026	0.593252
Giveine methyltransferase	1.2149953	1.6185144	0.9106805	1,6376675		0.78646404	0.90289295	0.8546991	1.1234487	_	1.0470785	0.5300259	0.5810583
L-culono-camma-lactone oxidase	0.6279897	0.7593682	0.9619048	1,1083311		0.55437934 0.45158088	0.45158088			_		0.6477823	0.591/6093
Phase-1 RCT-256	0.79022014	0.9372141	1.0984063	1.1292363	1.516328		0.86963396	0.84835595	_1		_i	0.8809766	0.6845456
Carbonic anhydrase III	0.9437767	1.558297	1.6383838	2.102971	2.813067	2.813067 0.60253334	0.19097233	0.23496015	1,8935399	_	1.1476045	1,8412561	1.6560922
Phase-1 RCT-78	1.0694075	1.119858	1.0477748	1.0511342	1,0335469		0.93430674	0.8236732	1		0.8901985	1.121039	1.3304852
Urinary protein 2 precursor	0.49151722	0.8199974	0.9257114	1.0413243	0.75764598	0.6816437	0.6439863	0.6779386		_	0.908902	0.810978	0.96984295
Insulin-like growth factor i	0.48145145	0.7909744	0.9408259	0.8023364	0.85711104	0.7439446	0.6710431	0.64037704	9		1.119/6/3	0.7722580	0.6400739
Any sufformsferase	0.59455097	0.7502548	0.7713219	0.8713459	1.328839	1.328839 0.60994107	0.6168362	0.6048337	0.50336	0.32010430	0.0170330	0 92405	1 1094187
Phase-1 RCT-185	0.7080291	1.0123233	1.0893444	1.3998512	1.54653	L/bcscs.n	0.9704333	0.8033773	_		1 0418373	1 5970074	1 7696434
Cofilin	0.7707647	1.1284621	1.1046423	1.220440	1.226440 0.62013904	0.02044554 0.04035204	4 9263925	1 0666918	0.8192716	1_	ı۳	0.85141575	0.7953818
Stathmin	1.103538	1.07/1306	0.99413344	0.0000314	0.60003010	1 0040091	1 379938	1 2584774	1,1200544	1_		1.3809442	1.3797946
605 abosomal protein L6	4 9760647	-	1 0677018	0.0/820/8	0 94585246	0.8219359	0 9718456	0.9778951	1,0380106	1_	0.9534234	1.5026442	1.1654438
Calpacin i neavy crain	1.000101	1 4878404	1 0042684	1 1594627	1 0919645		0 92171925	1.865747	1.0110316	Ľ	ш	2.6205215	1,3550191
Outside type II	0.7269812	┸	1 0825869	1 2493532	0.85173494		1.0997127	1.0308352	1.2327086	Ш	1,117788	1,5439694	1,5281963
Voltage dependent point channel 2 (Vdac?)	0.8069192	Ļ	1 2538476	1.2769496	1.6037201	0.8777504	0.9488451	0.8780261	1.0451993	0.9835571	0.8530932	1.07777891	0.9756405
Phase-1 RCT-192	0.7784321	1.1749935	1.2595668	1.0878023	0.9729429	1.4717685	1.6335589	1,4334843	0.9834151		0.9543006	1.2512774	1.0400229
Adenine nucleotide translocator 1	0,58425283	0.7060467	0.8273255	0.91515446	0.7424973	0.8348097	0.91759706	0.842804	_		0.97077584	1.3489165	1,332,3421
Thymosin beta-10	0.78056765	0.90529096	0.85670763	0.92934275	0.8103728	0.68879586	0.9775659	1,2343289	┙	-	0	0.8378507	0.6533549
High affinity tige receptor gamma chain	1.0050336	0.9270305	1,1158305	1,0800115		0.9542303 0.89025205	1.0058405	1.0183703	0.9032592	0.9723578.0	Leace.O	1.327.1784	1.1833444
Gamma-actio cytoplasmic	0.71749103	0.86771125	0.9429455	_	0.8279779 0.96110904	0.87156683	0.9198636	1.0732131	0.8413016	0.9819978		1.5400298	1,0568148
I Incoming northin 2	1.248089		┺-	_	0.99146044	1.0232241	1.3016206	1.4715091	0.8838153	_	_	0.9206037	0.73327726
Phase-1 RCT-34	0.85875785	1,024133	0.96011	1.0469468		1.0281565	0.8787275	0.8086101	1.1548043	4	_	0.99053925	1.0975033
Phase-1 RCT-31	0.5528648	1.2754316	1,2060235	1.3732961		0.39521456	0.2988398	0.27345917	_	4	4		20410388
Cyclin D1	0.82659537	0.8189215	0.9320683	1.2941844		1,5376081 0.89821875	0.7241426	0.613678	_	4		-1	12645975
ligE binding protein	1.2060109	0.9735124	1.0107667	0.955669	0.955669 0.94080573	_ 1	1.6591253	1.6776943	4		_	1.3022168	1.0545/BT
Zinc finger protein	1.1011443	_	긔	0.7641532	0.7463166	1.0496286	1.0951006	1.114825		4	0.9031268	1.14512/8	1.113023
Phase-1 RCT-138	0.99176264	4	_	1.12392	1.0293933	1.0293933 0.89492794	1.1903229	1.1645328	힐	1.2001040	- 1	1.1072942	0.0701455
Apha-tubulin	0.8482105	4	_	0.8856475	0.9958774		1.0705589	0.9604809	0.902037			1 1849018	1 4543841
Alpha-prothymosin	0.6266907		0	1.2203887	0.6838969		1.0507734	1 0748198	1	Ţ,	١~	1.2477317	1.2163795
Calpain 2	1.1774316	1.003392	1.1/33000	1.0164402	1 2503355	1 0477113	0.9499872	0.9426997	۲,	+		0.8440369	0.77595955
Catherein B	0.6852943	10	1_	↓	┸-	1,189265	1.6034989	1.6336026	0.984421	1.0621326		1.263481	1.2209727
Dhaca-1 RCT-24	0.95328534		1.3435928	1_	1.0845702	0.8667344	1.0305177	0.92259127	0.845805			1.3247733	0.83267194
Melanoma-associated antioen ME491	1.1674352	60	L	╙	↓	0.9789107	1.1116485	1,2379613	0.9183884	1.0253241	1.125158	1,5585691	1.7701731
INCOMOTION CONCESSION CONTRACTOR			1		1								

	200000	22,2700	100000011	4 0007400	4 42206	1000170001	4 0575044	4 0447049	1 2524204	4 0384807	1 00968821	1 1518235	1 1310898
Phase-1 RCT-68	1.2533047	1.064/455	1.1169829	0.8251179	1 0581877	1.3721974	1,7736509	1.8174227	0.80251396	0.8559458	1.0878063	1.1632564	1.0023896
Hypoxanthine-guarine phosphoribosyltransferase	0.8808939	+-	0.76867527	1.0247474	0.8022641	0.8140731	0.8679831	0.85980344	0.7501996	0.746833	0.9299498	0.9251088	0.7473104
Tree phibitor of metalloumbinseoc.1	1 3G27048	1 0705994	1 1136794	0 9991511	1.2539666	1.0421947	1.7888073	3.126945	1.0809503	1.0374554	1.0916882	1.027924	1.0207481
IDS-06 announce of incomplications	0.91662278	1.3918084	1.0446715	1.2125318	1.2002558	1.1570505	1.3276099	1.1542671	-	1.1528199	1.1182126	0.8450687	0.8200442
Ribosomal protein S9	0.6152145	ᇑ	120		0.91100866	0.8497704	1.1563432	0.95867515	_	0.85707974	0.9418319	1.3916678	1.1614269
Нете схуделазе	1.0108157	0.7588112	-	0.76780564	-	0.9629455	2,3488657	3.256237	-	0.99265337	10000000	1.9051225	1.4212243 4.7847776
Ribosomal protein S8	0.6296294	0.93702745	1,2287263	1.0598046	- -	0.90601605	1.1816401	0.0037308	1.144/09Z	-	270360x0	13707366	13576534
Ribosomal protein 517	0.5978484	0.871912	1.3/2/6/5	1.003848	107014	1 0504186	1 3778498	1 27R0124	0 9557452		0.9899328	1.1769778	1.0320437
Nucleoside diphosphate Kinase beta isoform	1./6246166	0.900004	0.8410542	0.8303798	0 73483074	1 0194052	1 2408221	1,417324	1.0129507	1.0763322	1.0190575	1,2298164	0.78790768
71235-1 NO -121	0.8351120	1.3160336	0 84282615	-	0.85586184	0.967304	1.0626543	1.1143247	1.0741764	-	0.98589015	1.0778157	0.7334917
SOS ribosomal protein [6 (alternate clone 1)	0.69871885	1.0128479	1,218231		1.21882	1.0048615	1.3763187	1.2550375	1.1244115	1.1356888	1.0815621	1.0949979	1.1968341
Retahthdin Alsee I	0.9235838	1 2314029	1,5150888	1.5823231	1.1755879	0.6779704	0.793546	0.7769321	0.72543347	0.7804047	0.61816794	1.4156831	0.7321124
Organic ration transporter 3	1 1575669	0.8524823	+-	0.68682843	0.6279067	1.05086	1,3869711	0.8883315	1.1732975	1.1519208	1.0038176	1.2626771	1,2327434
Rota actin	0.7766707	1.3493251	-	1.1800225	ᅑ	0.86448437	0.8909391	0.94195384	0.81887543	0.77376804	0.7471425	1.2042717	0.78002316
Cathensin S	0.8455864	0.87610626	1.0532115	0.9474124	0.90041083	0.7817898	1.2957855	1,7207108	0.79802287	0.88368803	0.7496163	1,401231	1.4726478
Biliverdin reductase	1.4070207	1.0098919	0.9844813	1.0074707	0.9906388	1.1862991	1.4580387	1.1774156	1,2151084	1.2435453	0.9391783	0.97115874	0.74546003
Phase-1 RCT-154	1.0221314	0.9922736	0.86791164	1.0314462	0.8180467	0.8838709	0.9492252	0.86509836	0.86552465	0,839142	1.0351454	0.8976537	1.077727
Phase-1 RCT-293	1,2253299	0.98243994	1.0404074	1.0336562	1.0002501	1.2189043	1.2828721	1.4295373	0.98029345	1.1117475	0.9790437	1.4295901	1.1561469
Armexin V	1,1601754	1.0088307	0.98914087	0.66632617	0.94707006	1.3376569	2.9444597	2.8090858	1.1856428	1.3045444	1.0287057	1.0540233	1,1854,330
Complement factor I (CFI)	0.6514498	1.1193947	1.1425636	1.2629021		1.6046883	1.9417945	1.7490807	1.8207054	1,6199925	1.4600651	2.5247858	2.4647775
Phase-1 RCT-276	0.99561495	1.0939559	0.9866654	1.1630661	_	0.65103734	0.7908158	0.7466436	0.84388626	0.6960112	1.0711504	1.1905528	1.0723330
Tyrosine aminotransferase	0.36369058	0.8175408	0.42416036	0.64202464	_	0.51783425	0.65861624	0.81014436	0.65804267	0,151160	1,20113	1.8000/94	4 0774077
Glutathione peroxidase	0.5466218	0.70223725	1.2702761	0.99050504	1.2259686	1.1439738	0.9335017	0.7109744	1.3489776	12491491	1,3844234	1.3712122	1.92/40//
Histidine-rich glycoprotein	0.57350755	1.1729711	0.9460975	1.1370361	1.2512642	0.724364	0.79860735	0.759672	0.68608546	0.82926345	0.76446706	1.9203943	1.111158.1
Carbonic anhydrase III, sequence 2	0.57219696	1.1070514	0.8472781	1.1005441	0.82258	0.6585263	0.71888727	0.6560653		0.79249907	0.74730	1.9209010	1.8308338
Phase-1 RCT-92	0.78574187	0.9502134	1.1266026	1.2802374		0.69597214	0.7884085	0.71339236	0.84048614	0.03033323	4 M387499	1 4361731	1 3731878
Transitional endoplasmic reticulum Al Pase	0.7972375	1.1952288	1.042/204	1.3543146		0.34303114	0.00230000	O BORAGE	0 82301118	0 9011477	10 894365	1 2587891	1 3246624
Phase-1 RCI-88	1,095/181	1.0302332	4 443578	4 2407246	4 004723	0.81171054	0.8122854	0.7307933	0.98979163	1.0693653	1.0582715	2,2875185	2,1260033
PRISE-1 RC1-290	C9C0037 +	1 3455257	4 2071RES	1 5410577		0.80192873	0.6892055	0.645852	1,3328248	0,8102959	1.0429349	1.2793273	0.83401436
Chathing Stransferse that 1	0 8867791	10399605	1 1985623	1 419214	1.1581726	0.9495606	1,2030764	1.0211728	0.87649953	0.8059325	0.7282098	1.1329571	1.0846792
Phase 1 RCT-168	0.85872215	1.082689	0.96358055	1.1187313	1.0638988	1 2294359	1,1599244	1.1805943	0.9285634	1.113621	1.5286721	1.365036	1.5616633
Phase-1 RCT-182	0.7817273	0.94629955	1.2611825	1,200898	1.2438716	1.1345049	1.013411	0.9651273	1,2584092	0.99613774	1.0920651	1.0221117	1.7018045
INK1 stress activated number kinase	0.8714781	0.95207228	1.0123389	1.0133944	1.5970261	0.9187029	1.0015393	0.9165434	0.7966165	0.66600086	0.9863885	0.7173917	0.6581589
Phase-1 RCT-81	1.197736	1.0085053	0.9978987	1.0666089	1.0332931	1.2628028	1.3537611	1.1366917	1.2653428	1.116063	0.9591064	1.1021906	1.2140749
Phase-1 RCT-33	0.7302124	0.9235608	0.7809526	1.0752071	0.91781366	0.82092186	0.72653514	0.82442564	0.7096167	0.65333116	0.82297266	1.003576	0.9908739
Phase-1 RCT-178	1.0778543	1.0071913	0.94047374	1.3335191	1,2091719	0.7373262	0.6912259	0.7035232	1.2312409	1.0829167	1.094//8/	0.32011837	4 0050742
Apolipoprotein Cili	0.7762484	0.8897858	0.79465944	0.85438246	0.78241676	0.686/8/35	0.4220249	0.47660910	0.703230	0.0747	0 02781953	1 0249015	1 1598634
Phase-1 RCT-98	1.2580825	0.88459977	1.99245834	1.96021624	1,0200133	0.7410000	0.033103	0.00304174	0.4921329	0.471599	0.41612625	1.4108414	1.3602687
NADH-cytochrome to reductase	0.8301107	4 2424274	1.1104023	1 3200783	0 6907794	0.940493	0 5070952	0.42477262	0.97228914	1,3058584	1,416724	1.3965638	21418614
Dhoen 1 - Intibitor III	0.870195	1 2240701	1.2186466	1.485175	1.1651438	0.79635686	0.8626068	0.7455196	0,9250384	0.9561414	0.8593788	1.3854072	1.3513384
Paraoxonase 1	0.49593377	0.81501216	1.0867616	1.0182929	1.1741096	0.7145455	0.7609289	0.68858045	0.924221	0.7398151	0.953878	1.2236048	2,1443892
Presentin-1	0.48431504	1.2477808	1.2320577	1.3458834	0.7070613	0.9570869	0.5024484	0.42912334	0.98431104	1.3124993	1.4446639	1.4146115	2.113975
Apolipoprotein C1	0.5518714	0.8656991	1.1080223	1.2730874	1.0056074	0.5439099	0.3983358	0.5292881	0.6638314	0.666046	0.9507824	0.83008983	1.7913048
Cytochrome P450 2C23	0.48882568	0.9176694	0.705941	0.957059	0.62451535	0.8367928	0.634084	0.87062575	1.0437006	0.9823846	1.1085724	1.0090829	1.5923204
Phase-1 RCT-227	0.94578888	1.3600143	1.4718487	1.6373597	1.455554	0.9383043	0.9918468	0.853839	1,2004902	0.9098888	1.00/2001	1 0700188	1 2883448
Hepatic lipase	0.5178896	0.6442578	0.6504138	0.81/8384	0.5081822	0.0404020	0.47333342	0.207 10900	0.013000	0.031000	4 0030037	0.8725670	1 04261
Phase-1 RCT-164	0.9007969	0.8893122	0.46199134	0.8871523	0.80821836	0.8423506	4 0000734	4 2002496	0.9093/03	ACADADADA	1 0604024	0.78353095	0.89068717
Multidrug resistant protein-2	1.1542767	1.3571384	1.6923106	1.5719404	1,8383039	1,1636235	1.2869/31	1.2863163	1 1137138	1 430333	1 5775958	0.59883143	0.82561713
Insulin-like growth factor I, exon 6	0.65317243	1.1393111	1.22156/4	1.304133	1 4004521	0 9627996	0 7668885	0.9319807	1.359605	1.0204064	1.1881144	1.0165205	1.5309821
(ST1C1)		0.000001		1001001									
Dynamin-1 (D100)	1,2584835	1.0753074	0.9846917	1.0697788	0.99029124	1.0162878	0.9952914	0.87229323	1.1671246	0.9740199	1.0277789	0.9733255	0.9612941
ONA polymerase beta	0.8819683	0.9728755	1,1793504	1.0663577	1,0152681	0,7826169	0.8955466	0.87599823	0.88606596	0.78096986	0.8382603	1.0785624	1.032031

Phase-1 RCT-173	1.0653462	1.0307723	1.0381725	1.001258	0.7884076	0 6844239	0.8758755	O ZDAKAKA	0 7200077	3220330	1000000	0.50004000	000000000000000000000000000000000000000
Ubiquitin conjugating enzyme (RAD 6 homologue)	0.9839752	9.	1	0.8375875	0.8277871	1	1.1082156	0.98401946	1.0226165	0.9337607	0.9566788	1.3842158	1.1766691
Ribosomal protein 1.13A	0 64423035	1 1385001	4 0207047	1 202001	10070000	, 0,000							
Phase-1 RCT-144	4 4007999	1.1303331		1.2039374	0.88934684	1.0162365	1.218399	1.1777829	1.1075616	1.1922925	0.9912565	0.8710556	0.6451947
	0.000,000	4 0003636	┸	0.8999145	0.93363535	0.95098484	0.96268415	0.86288035	0.8637217	0.90661806	0.93123376	1.250104	1.0949695
Vesicular monoamine transporter (VMAT)	1 8427009	0.8033833	0.1213750	0.9707057	1.0325/33	1.2831056	1.2120475	12436482	1.04972	1.1516443	0.94834745	0.6718367	0.7044205
Phase-1 RCT-273	13965007	0.90483835	0.9085182	0.8128078	0.0401030	1,202/130	1.206/548	1.1894232	1.2422867	1.1793263	1.0514407	0.9430153	1.0389403
Phase-1 RCT-230	1,5155922	0.8725598	0.8174333	0.0021000		0.0000000	1,0730550	1,0316336	0.6365431	0.92/01024	1.048808	0.86868036	0.94733816
Phase-1 RCT-74	1,7336878	0.84388775	0.8503508	0.66154915		0.7980339	0.8680434	0.99131433	1 1655/707	1.2402212	1 0105403	0.8204765	0.8869012
Phase-1 RCT-80	1.7317445	0.8616396	0.7518408	0.673655	0.68112874	1.0077275	0.8841895	0.85607505	0.77680355	0.95248735	0 9061007		0.777850874
Phase-1 RCT-158	1.7205888	0.9559501	0.8011566	0.6786845	0.8280687	0.9775369	0.99017763	0.98077804	0.7787564	0.86869305	0.9081632		0.68371694
Deoxycytidine kinase	1.3565471	0.8398175	0.88965577	0.5980969	0.8136697	1.1274488	1.1236749	1.2190699	1,990136	1 5000976	1 0996827		1 3465948
Inositol polyphosphate multikinase (Ipmk)0	1.4263108	0.9901828	0.8820762	0.8781861	0.9603414	0.9970643	0.9970643 0.87690204	0.8575647	1.117077	0.9081009	1.027492	0.93004453	1.0747064
Neuronal cell adhesion molecule (NrCAM)	1.8598431	0.903452	0.8585747	0.7159984	0.5535302	1.0629445	1.1016486	1.0764073	1.2371591	1.0734524	1.0161401	0.5897693	0.5461407
rieparocyre growin racior receptor	1.576471	1.2773569	1.1194214	0.9985434	1,1260455	1.16163	1.3432435	1.5089508	1.3119619	1,3024807	1.1777353	0.8571612	0.7961329
Cirply Describes measured Do	2,7573745	0.8063536	0.74972767	0.52800167	0.61835223		0.98911434	0.990179	1.2443958	0.98783857	0.93678796	0.58027476	0.67331165
Phase 1 PCT-51	1.1289092	1.0412821	1.0198061	-	1.1668394	0.9321186	0.8544182	0.80337435	0.8961226	0.8321978	0.99291193	0.7931896	0.82962054
Four repeat ion channel	1 4508107	0.923/1/80	0.8834504	0.7883588	0.9550552				1.2744464	1.202953	_	0.92085856	1.0586276
Adrenomechalin	2 7280282	0 7625758	0.02320300	0.71100913	0.6569997	_		٠.	0.94842434	0.9588448		0.9011659	1.0090746
Cavedin-3	1 663286	0.8768543	0 8545884	0.022300	10,000,00	0 7034606	0.00029	0.95022956	0.9322230		_	0.64266133	0.7920128
Phase-1 RCT-129	1.7626818	0.9787126	0 91145986	O RAZGROR	1 017530	0.0851900	0.0400087	0.7984292	1.2/0422		0.98792773		0.7395342
Phase-1 RCT-84	1.2623395	1.0078852	1.0048919	0.9087887	0 8496008	1 0778873	1 0746613	1 0801450	1 1150906	1.0003303	1.0396459		0.62931544
Sarcoplasmic reticulum calcium ATPase	1.0679263	0.9038398	0.86582315	0.7758436	1.1026583	1 7203364	2 384474	1 0158002	2 4024848	4 24789174	1,0424239	1.003130	4.4520004
Phase-1 RCT-79	1.2372392	0.926309	0.8874139	0.847607	0.96901464	0.96451557	0.97723085	0 96834298	1 0333001	1 0700062	0.0005548	7595080	0.004024
Phase-1 RCT-252	0.62156785	0.9400028	0.8480161	1.0392187	1,3229312		0.73132443	2	0.61103475		0.60353893	+	0.80 IO24
Phase-1 RCT-151	0.91941625	1.1716304	1.4265943	1.2600534	1,0553516		1.0851207	1.2828091	0,6538	0.99616027	0.936985		1 2417531
Phase-1 RC1-70	1.3961308	0.92153543	1.0830218	0.9432026	1.0063918	0.8583385	0.85449654	0.85525537	1.1274722	-		0.99294084	0.6825273
25-hydroxydiamin D2.1 alpha hydroxydaea	1.33765276	1.2625762	1,2085595	1.5401323	0.97551817	0.7531111	0.7063137	0.79332393	0.8758745	0.8738361	1.0142084	1.1180307	0.98560244
Phase-t RCT-119	0.046269	0.9124886		0.65849285	1,433952	1.1316173	1.0692269	1,0875534	_	-	1.0630326	_	0.9473092
Penxisonal 3-ketoacol CoA thiolage 2	0.910233	4 06727773	4 4624070	0.9300746	1.3125867	0.6213505	0.4842612 0.48778278	0.48778278	0.6257214	ᇒ	0.91533124	0.7731584	0.72561145
Phase-1 RCT-146	1 468 2018	0.00720754	0.1021070	1.2816456	1.5194219	1.3586808	1.026989	0,99927455	1.1438378	1.1479081	٠.		0.540416
Superoxide dismutase Mn	0.8597224	1 1673906	1 2203350	1 2573687	1 3035306	1.003/6/8	1.2221349	1.1843511	1.205/349	0.99935514	0.98785055	_	0.94751513
Phase-1 RCT-115	1.5799432	0.9568289	0.88175476	0.8217902	0.9109299	1 313334	1 4584686	4 5064BE	1 266736	4 72040TB	1978879.0	0.8791015	0.8103355
Alpha-1 microglobulin/blkunin precursor (Ambp)	0.59789574	0.98319584	1.0620427	1.2687117	12649356	1.2596275	1.3297168	1.1302563	1,35296	1.1373128	1 1587738	1 5047493	1 7301817
, HO													
Massia	1.3034104	0.9144239	0.9674243	0.84276336	0.9888907	1.0377243	0.83852196	0.86646	-	0.93061686	0.964144	1.0063089	0.95547894
Desortio	13882164	0.7851463	0.7432608	0.5322977	0.5572413	1.2409912	1.081523	1.1151515	1.1230351	_	1.087245	0.9518349	1.1472563
Retinoid X recentor sinhs	4 4700884	1.0109/00	1 1000001	0.65538025	0.7800224	1.1386932	1.6511033	2.343542	1.0819242	-	0.93883187	1.0814661	1.5046585
Cellular mideic acid hindim midein (CNRD)	0 7938202	4 4047666	1,1000331	0.0383347	1.4133348	7,13461.1		1.4608637	1.2313519		0.9963274		0.7598302
NADPH cytochrome P450 oxidoreductase	16479609	1 3640835	1 6843203	1 5883873	1 5424523	1.0757701	_	0.87692255	1.0852066	_	0.78761053		0.84545743
Malic enzyme	0.9507819	0.8243246	0.74530894	0.63748705	0.6909541	0.856182	97788561	1.7651683	1.1760856	1.3748304	1.0592004	0.7204332	0.51776284
Caspase 1	1.391159	0.9265067	0.78951216	0.64499825	0.8116348	1 0372518			٠.	_	-		0.901179
Cystatin C	0.7723018	1.0771463	0.9264935	1.0528097	1.2012771	-	0.89462304						4 5704594
psecoc	1.5314121	0.92314667	0.99179286	0.8388568	0.9412798		1.4029422	1,3431047	1.1426785	-	0.95850724	0.9509338	0.0757287
Poly(ADP-ribose) polymerase	1,2284114	1.3776127	0.9782076	0.9692534	0.93928164	1.037515	1.1394837	1.0765754	0.9590664		0.8945008	1 2909577	0 9896367
I issue plasminogen activator		0.89202774	0.90098345	0.7951425	0.84744984	0.6722749	0.6722749 0.68913436	0.75990844	0.79986066	•	0.98554415	100	0.97075254
Dhace 4 DCT 207	1.1526083	1.3739319	1,7082675	1.6100783	1.8718935	_	1,4541641	1.5798556	1.0716873	1.0822426	1.0296369	0.9501221	1.0411536
Phase 1 PCT 184	1.0862797	1.0138552	0.91423666	0.97707397	0.76827985		0.75570154	_	0.89886546	_	0.97528344	0.87166715	0.6995073
Gan inodion membrane absorbe to the 4	2 266926	1.0588185	1.0299608	1.0534757	_	0.9340258	1.0355643	1.0004419	0.9686914	1.1693546	1.0292206	0.90301555	1.0538543
(Gjb1)	7.2000203	1.4048404	7.5303807	1.8545427	1.9549292	0.90183467	0.8040759	0.880899	1,3510662	2.0687377	1.1349847	0.7459276	0.5529166
Aquaporin-3 (AQP3)	1.2247405	0.978438	0.8773159	0.90425	0.9489385	0 82420945	0.8244432	0 7740502	4 4799046	0.001000	0.0900940	0.00000	,0,200
Myelin basic protein	0.52877444	1.284345	0.83234406	1.0998855		1 4759141	0 9907461	1 0771712	1 0425324			74409566	0.830/104
Calgranulin B3	1.0380441	1.0093895	1.0619203	1.0424808	0.8579894	+-	0 77740043	D 8004347	0.844444	4 0407407	_	4 4402004	0.6279685
					7.555.5		1,11,1700701	U.Coconore	0.01441411	ו יחו יבוח	0.50502021	1.1492091	0.9835206

ase-1 RCT-158	0.65859467	1.0828391	0.65859467 1.0828391 1.0685302 1.0723513 1.3464487 1.0235306 0.88453635 0.87204933 0.8675014 1.1133417 1.0174173 0.80078086 0.88498644	1.0723513	1.3464487	1.0235306	0.98453635	0.87204933	0.9675014	1.1133417	1.0174173	0.90078086	0.98498644
teasome activator 28 alpha	0.618495	0.618495 0.78407735	1.1190889	1,2058716	1,3153763	0.9631065	0.9998329	0.7979817	1.6861598	1,2058716 1,3153763 0,9631065 0,9988329 0,7979817 1,6861598 1,3120775 1,1979228 1,0953321	1.1979228	1.0953321	1,3367199
Gene expression data for 72 hour timepoint													
presented as mean ratio of treatment/control									_				
all 72 hour predictive genes (Table 23).													
Compound and dose abbreviations as in see 1.													
Individual animal number												1	
Liver inflammation classification for compound a group at 72 h: yes-necr, necrosis observed;													
-both, necrosis with inflammation observed; no histopathology observed						-				-			
Predictive gene (as in Table 23 and as													
tuded in Table 28)								-	-				

Table 30. Expression Data for 72 Hour Timepoint													
(3)													
Compound-Dose (2)	TET 150	TET 60	TET 50	THEO 100	THEO 100	THEO 100	THEO 25	THEO 22	THEO 25	AFLB 1	AFLB 1	AFLB 1	ANIT 60
Animal Number (3)	1249	128	129	2537	2538	2539	27	83	2529	154	155	128	1657
Liver Toxicity Inflammation Classification (4)	yes-necr	QL	2	9	2	2		00	8	yes-both	yes-both	ves-both	yes-both
Gene Name (5)	0.00000013	0.0745430	, 00000	4 00000	4 0500000	0.70007.0	,0000000	7320070	0.00074074	0.00000	2400000	TOOLS OF	720000000000000000000000000000000000000
Betaine homocysteine methytransferase (BHMT)	0.7363536	0.70681703	1 1883947	0.4685615	0.0929020		1 0570852	0.0188/31	1 0082121	0.06433613		0.7626921	0.12/354/4
Proliferating cell ructear antigen gene	0.9536511	1.029364	1.0258758	0.8361839	0.9432957	. 5	0.90519696	1.0489548	1.0073432	1.0752137	0.7641678	0.9438332	3.7038424
Cytochrome P450 2D18	1.1374121	1.0558754	1.0578743	0.5309774	0.43366715	0.58414704	0.7217983	0.63715583	0.72607386	0.31902698	1.0204064	0.997489	0.35462627
Cytochrome P450 2C11	1.0480701	1.2299699	1.086355	1.6314487	1.3571059 0.52513653	0.52513653	0.9774084 0.82462144	0.82462144	0.9859156	0.07019877	0.9914832	0.9914832 0.54262674	0,9656566
Phase-1 RCT-290	0.7927561	0.8493593		0.7680293	0.913735	0.63582		0.7354215	1.0087646	0.8274252	0.697883	0.7904937	0.51754546
Phase-1 RCT-59	1.0800244	1.0828375	9	1.2858579	1.2768612	1.0027268	_	0.88226783	0.9281302	6.0833726	2.556063	1.6080469	1.723826
Beta-actin, sequence 2	0.8128897	0.8470524	1.0229468		1.0972925	1,1390389	1,0286019	0.8786379	0.95379937	4.3372073	1.0929923	1.0866972	1.6286896
Phase-1 RCT-292	0.9083062	0.9502781	0.93188477	0.8084324	0.98735386	1.0418901	0.97564775	0.9563883	0.95229477	0.97228056	0.8925946	0.8941038	0.79114914
Pyruvate kinase, muscle	0.9130194	1,1458491	1.0811069	1.088908	0.8300554	0.96238744	0.97128946	1.0607873	1.0701572	3.3741438	0.83235264	1.0273856	1,5231359
Osteoactivin	0.9111013	0.91566736	0.92712665	0.84398725	0.8655471		0.8264334	1.0260454	1.0153564	19,701735	0.8615244	1,0317463	3,4732332
Calgranulin B1	0.7787262	0.82071704		0.841068	-		0.94211686		0.97599036	2.2164423	1.0214303	1.0741385	2,1073022
Apolipopratein All	0.8484285	0.841674		0.59105444			0.87727106		0.83114415	0.07422434	0.7052455	0.681849	0.56837555
Connextr-32	0.9921802	0.7257327	0.93457705	1.5910718	1.1478004	1.8236102	0.7732058	0.8492929	0.9278856	0.21887206	0.8166572	1.0296084	0.43063965
Phase-1 RCT-109	0.74991226	1.2114725		1.2110715		1.2473781	0.893597	0.7904146	0.91568434	2.2023225	0.8838193	1.0956271	1,4613513
Glycine methyltransferase	0.6080548	0.94161767	_	0.52293867	_	0.58092265	1.0713592	0.7147573	0.8613526	0.08195062	0.50861084	0.50805515	0.1747613
L-gulono-gamma-lactone oxidase	1.1783708	0.95532227	1.0848069	0.52627367	_	0.59769696	1.1132528	0.8328894	0.7739782	0.3170041	0.9580451	1.0842754	0.48578092
Phase-1 RCT-256	1.0842105	0.9937074	1.1163422	0.5870897	0.7356284	0.7497743	0.9406127	0.7560589	0.8746213	0.26849616	1.0825994	1.0702757	0.48054788
Carbonic anhydrase III	2.685418	0.842743	1.5249121	0.35826424		0,38072053	2.0556157		1.6032476	0.06143529	2.7891657	0.77736974	0.030443123
Phase-1 RCT-78	1,1084839	0.99100506	0.99100506 0.93607485	0.9876971		0.93936926	-	_	0.95477945	0.6201779	1.0170801	0.9852047	0,71751463
Urinary protein 2 precursor	1.4050406	1.194452	1.0146837	0.6428102	0.8621606	0.83866185	0.7990843	0.8251641	0.8249721	0.100998364	1.3426714	0.8957921	0.28419708
Insulin-like growth tactor i	1.581061	1.4861223		0.7377167	0.81179084	0.8691485		0.9590302	0.9112533	0.26601365	1.22298	0.9970888	0.2898818
Dhoes 1 DCT 185	4 4838758	4 30222306	4 0590720	0.41301334	0.030/130	0.7030180	1.1063504	0.78492177	0.9369248	0.276324/8	1.0789266	0.9913922	0.3288541
Coffic	1 7500521	1.051151	0.000077410	0.11110170	1 0447377	1.1023308 U.0030020	4 0081280 0.8021010	0.9021010	0.042443	3 6406747	4 4578402	4 020 5474	4 8022697
Stathmin	0.87946093	1 0247312	D 97256094	1 0473934	O TRUBBER	0 9803336	0.9606721	0.871850	O REGRESSE	2 5768568	0 0633835	1 0783036	2 22051BB
60S ribosomal protein L6	1 4439598	1 3909622	1 1000785	1 1000785 0 87385334	0.7008138 D 96659978	0.96659979	1 188827	1 0262003	1 090575B	2 7840118	1 2841421	1 0570842	1 3861830
Calpactin I heavy chain	1.0076919	0.9969302	0.95579267	1.022197	0.9487607	0.9281914	0.9583065	0.95675427	0.9762449	6.9543247	0.96753144	1.023595	1.9681658
Collagen type !!	1.0468239	1 0875052	1 0512587	1 8843338	1 3536807	1 -	0 66526645	1.0022603	1 0751145	3 0882776		1 0346814	1 0222864
Phase-1 RCT-179	0.9411869	0.95329237		0.73920506	0.7075132		0.9324654	1.0881645	1.111791	2.6958725		1.0558717	1.1078522
Voltage-dependent anion channel 2 (Vdac2)	1.1394249	1.0431002		0.72570527	0.64876866	0.88258356	1.1056099	1.0672175	1.055248	2440102	1.0815469	1.1372379	1.5787644
Phase-1 RCT-192	0.9161504	1.0567214	1.0327778	1.0529741	0.9553753	0.77009434	0.7457357	0.9496058	0.90177774	2.1317122	1.2777597	1.1319622	1.309023
Adenine nucleotide transfocator 1	0.9942057	1.0250198	0.9630055	1.3132001	0.87296367	0.78273803	1,157565	1.0466258	1,0019163	1.6180526	1.4194974	1.058713	1.3702029
Thymosin beta-10	0.9623967	1.0576253	1.068372	1.2219738	_	1.2089348	0.8875138		0.91072845	3.9618843	0.8872957	1.0802332	3,005312
High affinity igg receptor gamma chain (FcERloamma)	1.0164474	1.0212986	1.04375	1.04375 0.81644136	0.9539121	0.90907335	0.9724725	1.0568936	0.9137461	5.2777414	0.93226045	0.9114844	1.2047417
Gamma-actin, cytoplasmic	0.92280704	0.98035437	1.03125	1 03125 0 81326383 0 55158657	0.55158657	1.027878	0 79288244	0 7827887	0 7479537	5 2881748	0 8693094	1 2397884	2 6424177
Uncoupling protein 2	1.0830097	1.0067964	1.0594807	1 2355278 0 71797127	0 71797177			0.85589194	0.8822124	1 6111355	0.83273715	0.86984617	1 9237328
Phase-1 RCT-34	0.86320835	0.7519751	0.9334135	0.85751516	0.78344643	0.93475896	0.933667	1.0137647	0.8865388	0.98286813	12368147	1,2354058	1.168559
Phase-1 RCT-31	2.5515137	1.1168927	1.1142442		0.50502926 0.45840013	0.45840013	1.2631835	1.0321325	1.2347542	0.33817038	1.1114233	1.0698164	0.48798183
Cyclin D1	1.5793718	1.1158302	1.1004775	0.9528638	1.3603672	1,1007365	1.0198611	1.1921045	0.92487293	3.0825303	1.2443913	1.0637841	3.935017
IgE binding protein	0.9193306	1.0709163			0.93486047	_	0.79323417	0.98723817	0.9287917	1.9591208	0.9509467	0.89181805	2.9692059
Zinc finger protein	0.9928108	0.9673053	0.8956673	1.3729204	0.88512605	0.6589912	1.0491124	1.0424987	1.0412091	2.640505	0.96833646	1.0278423	2,377,176
Phase-1 RCT-138	1.1745614	0.9831732	1.0720646	1.0720646 0.73983663	1.0567781	0.9487988	1.0392828		0.87009513	5.375368	9	0.9440446	1.0609335
Alpha-tubulin	0.976837	0.9618555	0.90487134	1.0399243	0.69051987	1,1230869	0.9539892	0.8337507	0.9535222	4.747834	1.1890678	1.1889961	6.1806784
Alpha-prothymosin	20749695	1.0703942	0.9518485	0.744374	0.6815612 0.55856675	_	_		0.94926167	2.793975	1.0955477	1.0402584	1.1669241
Calpain 2	0.92519295	1.0276003	1.0685713	1.0005164	1.0243666	_	0.97900903	1.0428138	0.973273	3.2720208	1.0434009	1.0320568	1.381663
Phase-1 RCI-12	1.0006022	1.014945	0.9456751	1.0414817	-	_	1,0425255	1.0545737	1.0755978	1.46797B	0.8693203	1.0272548	1.518563
Phase 1 RCT.24	0.04205428	0.1190603	4 0234649	4 2600027	4 2494400	1.057503104	1.0960926	0.9184436	0.9136/50	3.6256413	0.9621555	1,0201613	0.94090474
Melanoma-associated antinee ME491	1 1240388	4 081870	4 0084104	0.0674024	4 0277873	0 9070700	0.00030007		0.007 (8203	4.010333	4 0747504	1.1002103	1.1326 4
ואממווט בפסטימשה מותאמוו הודבי	1,12,40000	1.00101	1.014050.1	0.307 13411	1.04/1/04/1	0.8840/301	0.87340091		0.769937.00	4.8393901	1.067970.1	0.82333041	1.040/0.

Phase-1 RCT-68	1 0762966	1 0083302	1 0408308	1 0348860	0.9092794	4 0074047	7	4 0005040	777777	10022000	1000000	1 0000000	
Cyclin G	0.99610716	1.0621741	1.1194372	1.1418713	1.0366776	1.1806941	1.0384179	1.0910413	1,1118441	5.824373	1.819293	1 1013227	1.4030042
Hypoxanthine-guarine phosphoribosytransferase	0.7851812	0.86514	0.8080345	0.64199764	0.6088522	1.0250294	0.72470754	0.77780473	0.92653954	1.785463	1.0269508	0.970857	1.9589052
Tissue inhibitor of metalloprotetnases-1	0.970462	1.2838998	1.0290465	1.6028903	1.4195144	1.004158	1,0006179	1.0763539	1.0328678	3,5175695	0.84168273	0.90762985	1.4099851
Ribosomal rantoin Sp	1.1467612	1.0654523	1.0095721	-	1.2196352	0.8340094	0.82043946	0.97566694	1.0147752	2.0383785	1.024542	1.0992246	2.3970327
Heme oxygenese	1 20/12/4	0.93/35534	0.568662	0.8926329	0.97400326	1.0420064	0.9118408	1.1167902	0.9628038	0.92801094	0.95143974	0.87616616	1.6674106
Ribosomal protein S8	1 8202798	1 9830017	1 4413304	1 0495459	4 0555949	1.1030205	4 4880677	1.4299804	1 003186215	0.510144	4 6406746	4 4770077	4 2650207
Ribosomal protein S17	1.1531806	1,7718953	1.4940748	0.9610105	0.93107	1.08941	1.2139524	1.1338438	0.9563918	2,8501992	1,3345183	1,1354333	1.174896
Nucleoside diphosphate kinase beta isoform	1.1039991	3,619473	1.1468894	1.2287578	0.9819934	0.79048437	0.7842448	1.0012261	1.0170344	1.534274	0.94416964	1.0231937	1.2355199
Phase-1 RCT-121	0.95395845	0.97192407	0.98804647	1.2320937	10	1.4746772	0.9411131	1.0112337	0.8958782	4.4027247	0.8713264	0.95682408	2.1528463
60S Thoronal region is followed about 1)	1.0640305	1.0240328	1.0694444	0.74442375	=1.	0.81506044	0.8570824	1.0006263	1.1107637	3,1627436	1,1339043	1.1298517	1.880126
Boto hindin class 1	1,5310894	1.5190/4	1.2820854	0.86338896	0.7575327	0.984162	1.1205349	1.0460296	1.0043225	2.861291	1.2285621	1.090688	1.2038296
Omanic calion transcorder 3	1.2104039	1.11/9893	1.04112/9	0.822/1/8	0.6370407	0.7355633	0.95041746	0.81978804	0.7366294	3.4324992	0.9557724	1.1232898	6.9426236
Beta-actin	0.9357421	0.8470656	0.6997987	_	0 13116154	0.90203476	0.07066925	1.0349265	7.0532159	2.3108587	1.279594	1.0502512	1.2909509
Cathepsin S	0.93445788	1.0065002	1.0053391	0.61734635	0.81013995	0.69299215	0 7541388	1 03/16507	0 9008671	3 31 19 197	0.8328223	1 0188015	1.7440347
Biliverdin reductase	1.08056	1.0320098	0.94321644	0.869605	0.9387116	1,2132981	0.84896606	0.91239345	1.0531925	2.3091648	0.779675	0.9543671	1 5669832
Phase-1 RCT-154	0.9997704	1.0681602	0.94181913	0.94405323	0.91479564	1.0487375	0.922269	0.9511279	0.98260015	5.1616063	1,828655	1.2494447	1.6750766
Phase-1 RCT-293	1.1877835	1.2611177	1.048655	1.0200025	1.001201	0.88381344	0.97954744	0.91795707	1,0324267	3.8202794	0.45342705	0.9803152	1.5456666
Annexin V	1.2911431	1.2514539	1.1848403	0.9036911	0.88121724	1.0095917	1.1367848	1.1267917	0.9663905	3.7135267	1,1681834	1.0432401	1.5704571
Complement factor ((CFI)	1.6159724	1.0739849	1.2343618	0.80888796	1.1968853	1.0202935	1.1869652	1.2137042	0.9942896	0.73273575	1.7966087	1.1978239	0.8130229
Phase-1 RCT-276	1.7368679	1.3441092	1.1384591	0.7122487	1.0479538	0.6235697	1.1023126	1.0101446	0.9169662	1.465898	1.0235043	0.9880817	0.8721191
l yrosine aminotransferase	1.280014	1.0403447	1.1712611	0.55859673	0.8080551	0.8034075	1.0117321	0.7399119	0.85790074	0.8350248	1.0118188	1.1182878	0.42680314
Cautamone peroxidase	1.8312124	1.9817472	1.1677318	_	1.058237	0.976845	0.9311147	1.064845	0.8743975	0.92748374	1.0210332	1.202072	0.3829057
Carbonic ashudasea III sociatore 2	1.1183834	1.3905483	1.1022712	0.4685422	0.78085613	0.5734658	0.9802776	0.8898618	1.2042096	0.13892233	1.0720633	1.0597347	0.48232543
Phase-1 RCT-92	1 0218996	1 0482812	1.0281909	0.42/5/48/	0.73585784	0.523245/	0.95867985	0.8303395	1.137829	0.1023502	1.0097927	1.0343015	0.46658537
Transitional endoplasmic reticulum ATPase	1.0400572	1.014795	0.9607373	0.97111535	1 3344938	1 1264316	1 0999343	1 0285818	1 0283169	1 2542001	1 1518500	1.033/100	0.01/01834
Phase-1 RCT-88	1.0070294	1.1445771	1.0532501	0.9041689	0.9332452	0.68381757	0.8784359	0.90834963	1 1551417	0.702113	0.8969943	0 9533603	0.54505220
Phase-1 RCT-296	1.341506	1.0392858	1,1568509	1.1514672	1,1857159	1.2025479		1.1370386	1,0042018	0.21422482	1.1340615	1.1557175	0.3293602
Phase-1 RCT-161	0.8945236	0.9459911	1.0371429	1.232537	1.1710459	0.6373727	1.1076009	1,0264955	1.0558724	0.36803856	1,7075264	0.82842517	0.9840548
Glutathione S-transferase theta-1	1.3034891	0.9414649	0.87573606	0.98318374	0.9270577	1.0920354	1.0981102	1.0568845	0.974998	0.6331312	1.2043787	1.0252804	0.8316869
Phase-1 RCT-168	1.0755368	0.8995926	0.93478954	0.8774451	1.1159157	1.145179	0.9201266	0.8600621	0.9120584	0.4738465	1.11354	1.0868201	0.97840405
Phase-1 RCT-182	1.3942904	1.2155087	1.2161027	0.8297257	1.401577	0.96124095	1.0498519	1.1569117	1,0131823	0.33915165	1.1111656	0.95847076	0.4147441
JNK1 stress activated protein kinase	0.9637426	0.92720026	0.9620226	0.5027485	0.6040309	0.5702724	0.9469242	0.77318877	0.8302982	0.65644028	0.94058044	1.0185857	0.42086235
Phase 4 PCT 94	1.7022539	1.2769817	1,1115655	_	1.0900862	1.0285593		1.086908	0.9635644	1.1211524	0.925662	1.0240374	0.6070271
Dhose-1 BCT-178	0.3074303	0 0425572	CM96027	1,0000700	0.62368565	0.9451405	0.9296394	0.78413236	0.8138803	0.25851788	1.368556	1.183645	0.72903526
Applipametein CIII	1 3105881	1 0736172	ATTATATA	0 5308777	0 5240049	4 0770445	1.11/9924	1.0309133	1.5904214	0.83907374	0.9795644	0.9101671	0.51399773
Phase-1 RCT-98	0.91555554	1.0280149	1.0432065	1 0080822	1 0190796	0 9087404	O RRATIOA	0 0337544	0.8011432	0.000079	0.9352/020	4 0200200	0.93020100
NADH-cytochrome b5 reductase	1.2668693	1.3654342	1.2084373	0.81232508	1.069642	0.8997685	0.90989697	0.74767566	0 7203413	0.39160314	0 91461974	0 8935517	0.53042011
Alpha 1 - inhibitor III	1.7462549	0.88843834	0.73198915	0.8569864	1.8370055	0.87756014	1.31717	1.2047548	0.8514047	0.07124573	1 1039336	0 94640857	0 1977384
Phase-1 RCT-233	0.8654237	0.9822013	0.9847973	0.75822395	1.3142935	0.87603545	1.027953	0.94552547	0.967144	0.2767272	1,3157395	1.0436983	1.0848409
Paraoxonase 1	1.8155411	1.2211512	1.1625702	0.60669758	1.0078434	0.7086661	1.2592832	1.1042775	1.0238671	0.16703795	1.4374983	1.1509929	0.25229776
Presentin-1	1.825675	0.9302051	0.79453593	0.79696965	1.713635	0.9057966	1.3594123	1.2228777	0.90356946	0.1590457	1.140016	1.003872	0.24804999
Apolipoprotein C1	1.386585	1,1346854	1.2577755	0.7941084	1.1396707	0.86545885	0.93807054	0.9246763	0.8156323	0.10334347	1.0676221	0.6129826	0.2121816
Cytochrome P450 2C23	1.2285053	0.86382985	-	0.49302778	0.6752747	0.69619966	0.72105904	1.0147829	0.9343553	0.20449264	1,0995017	0.91267884	0.37073058
Honoric Ilraso	1.25/4506	0.8773043	0.94898844	0.47461703	0.72932	0.6952624	1.0245901	0.94718254	1.1129816	0.5139121	1,2109516	0.95743835	0.23021214
Phase-1 RCT-164	10104014	0.56467207	0.0910173	4 9547004	1,000010	1.09/1093	0.7227076	0.7801976	0.74131715	0.30076513	1.0228982	1.1565912	0.4815449
Multiday resistant protein-2	1 350017	1 4853797	4 4584874	4048022	0100000	1.0103447	4 2024 442	1.0001636	0.27/8.0	0.3893832	1.0466255	0.8620400	0.73392546
Insultn-like growth factor I, exon 6	0.90292394	0.9964738	1.0385637	1 154791	1 0983737	1 305506	1 0663493	1 0809072	1 160313	0.2/2/1444	4 2470008	4 0872083	0.224701
N-hydroxy-2-acetylaminofluorene sulfotransferase	0.9333334	0.9796603	0.95220596	0.60340345	0.97273636	0.6543508	1.0820472	1.1327052	1.0936708	0.14751406	1.174153	0.7940673	0.30461538
(S11C1)	7303070	0.000000	1000000										
DNA polymerase beta	0.8739393	0.9822013	1.0236951	1,0144533	1.1476438	0.9367628	1.064125	1.1034231	1.0238758	0.84366846 0.99490106	0.994901061	0.9873377	0.656271
Little pulyticiase uses	0.01.030301	0.8/302/8.U	0.33 (330)	1.00215471	1.08282501	0.72044204	1.0802901	1.0476221	1.0282393	1,5582727	1,10295051	0.9902881	1.1696615

Phase-1 RCT-173.	0.95163536	0.9716809	0 90670294	1 0700729	0 7674911	1 122707	1.0032647	0.8746993	0.90346014	1 8045489	0.88033444	1.055568	1,1845385
Ubiquitin conjugating enzyme (RAD 6 homologue)	0.96017855	0.868466	0.868466 0.69355726	1.0781785	0.9899912	1.0402838	0.9699254		1.0497066	1,6117871	1,377,1667	1,0200104	1,5829968
Ribosomal protein L13A	0.7612542	1.2404103	0.9908006	1,0774543	0.47414926	1.3689916	0.88920146	0.7492341	0.91094124	1,5971133	0.6950438	0.95711434	1.4593916
Phase-1 RCT-144	0.96970836	1.0231075	1.0179006	1.153113	1.2845808	1.1830295	0.96410215	0.94347733	0.8873355	2,0809698	0.9634991	1.0041808	1.6237742
c-H-ras	0.98406255	0.9409812	0.9847973	1.1064825	0.7538218	0.7084332	0.8366062	0.8871718	0.9325152	1,2325965	1,1382033	0.9823399	1.4890068
Vesicular monoamine transporter (VMAT)	1.0488558	0.99715424	1,0182433	1.6181175	1.3810234	1,2317607	1.1759579	1.111836	1.0872504	0,80729926	2	0.98603797	0.9456857
Phase-1 RCT-273	0.89146197	0.9411568	0.9494047	1.2984978	1.098361	1.1856071	1.1573513	1.0424314	1.0341088	1 2981393	0.8485072	1.016222	0.9919695
Phase-1 RCT-230	0.887592	0.9962012	0.9852941	1.4278322	0.9798917	1.3452677	0.9818298	1.0318762	0.9460511	3.2487205		0.9355146	1.1565//8
Phase-1 RCT-74	0.86121684	0.9868673	0.96484375	1.463968	12801414	1.0983455	0.818319	0.9840434	1.0281906	0.90333184	0.0020303	0.32/201/30	1,1003/14
Phase-1 RCI-80	0.89133/1	0.9517279	0.9415/61	1.5644755	1.322105	_	1.0495543	0.983523	1.0544910	2700/1071	0.0253009	0.8000773	0.0724724
Phase-1 RCT-158	0.9482369	1.0006784	1.0390625	1.2152017	1.110442	٦t.	0.76040876	1.0350635	1.124508	4.2410417	01/0260	0.9/21100	1 090 1017
Deoxycytidine kinase	0.9208704	0.97121628	1.0229668	1.4029988	1.231803	1.1288147	1.0142/39	1.1222107	1 1889711	0.6312664	0.90912575	0.9539264	0.69189584
Maintail oil otherin maleria (MrCAM)	0.950000	0.9200330	0.9738076	4 7084793	1 3489778	1 3673383	1 006824	1 0134065	1 0554141	1 1349478	0.919461	1.0204216	0.81104946
Handrade mouth factor recenter	0.828284	0.0021300	0.8374577	1 405481	4 1030600	1 1770966	0 RD671537	1 0682958	1 1068482	1 1636546	0.8610517	1.0339537	1.0726962
Fmov	0 8696138	0 93966603	0.9594843	1 24788	1 0794231	1 7080884	0.9115806	0.977351	1.0774258	0.8577579	0,73684585	0.7977894	1.122907
Dopamine receptor D2	1.1332144	1.0877184	1.0958121	1,2894506	1,3147619	1,1041809	1,1351886	1.0758246	1.0479219	1,5507096	0.8609612	1.073375	0.93362564
Phase-1 RCT-51	0.9498668	1.0109736	1.0139664	1,3345854	1.0950722	1,1038111	6	0.99694246	1.0034262	1.0531255	0.8705174	0.9863374	0.9170161
Four repeat ion channel	0.8896086	0.98007965	1.0209581	1.2561256	1.1576663	1.0797414	0.9007571	0.99352455	1.0078378	0.9018841	0.9231532	0.9493195	1.1072648
Adrenomedullin	0.97814643	1.0362272	1.0294312	1.7877134	1,3390905	1.8316447	9	1,0000163	0.9913239	0.7731136	1.1572193	1.0625817	1.0914279
Caveolin-3	0.88523555	0.9585362	0.96168154	1.2999674	1.096426	1,1072905	0.91008747	0.99904203	1.0666497	0.8368917	0.8968797	0.9789458	1.0974325
Phase-1 RCT-129	0.8937936	0.9056188	0.97656256	1.3667991	1,2180899	1.1002212	0.98907095	0.9947053	1.0703158		0.8850694	0.96820176	1.1709007
Phase-1 RCT-84	0.77995914	0.9962012	1.0472383	1.0184967	0.9553307	1.0529348	0.7398597	1.0046676	1.0284792	8	0.96868324	0.93827534	1.1502681
Sarcoplasmic reticutum calcium ATPase	0.75847185	0.98769754	1.0726141	1.0866808	1.1384501	1.0187454	_	0.9926551	0.9158528	0.97828746	0.90780854	1.0058168	0.7742747
Phase-1 RCT-79	0.851306	0.99066025	0.9801282	1.2326844	1.0347838	1.1844233	1.0171131	0.95966023	0.9428355	1.0025806	0.94985557	0.9503093	0.8949855
Phase-1 RCT-252	0.99296504	0.9124806	1.0195717	0.34081054	0.59590775	0.48684322		0.9837743	0.92307204	1.1332877	0.91882175	1.0581229	0.59775084
Phase-1 RCT-151	1.2927412	0.9397437	0.96043116	0.71696335	0.85737324	0.985237	583	0.86979765	0.91927576	0.8273356	1.0947278	1.0370847	0.76060224
Phase-1 RCT-70	0.7876743	0.9120441	1.0383621	1.0414852	0.9061478	1.3227499	⊵l:	0.8715852	1.0527443	1.2310932	0.91735166	0.9943082	0.9002086
Phase-1 RCT-150	1.0392673	0.65140426	0.8251092	0.75426245	0.5534186	0.870313		0.78879786	0.9602188	0.60146946	0.8973862	092831086	0.6994111
25-hydrocywtaffin U3-1 alpha-hydroxylase	1,0126282	1.0451218	0.9484954	1.78355/8	1.3842//6	1.23916	4 4920554	1.0010957	1,095/57	0.0405033	4 00144	1 0818758	0 7548684
Pridsb-1 RCI-118	0.9339002	0.3344000	0.87097.37	0.00919304	0.25210	0.3307230	0.00044593	4045404	4 0792445	O SEDAKRA	0 85315883	1 000 KR27	0 87624 105
Perwasome strengery of modase z	0.94647774	0.9809233	1 0642656	1 2048289	0.996079	1.131492	0.82036227	0.98700196	1.0537322	3.5023203	0.97946125	1.0101681	2.546177
Superoxide dismutase Mn	0.7830374	1 0990644	0 91487277	0.69050217	0.6731976	0.88450223	1.0672711	0.991136	1,054601	1.3663162	0.8576319	0.9697692	1.1260387
Phase-1 RCT-115	0.61067706	0.6475915	0.6801274	1.3924412	1.021683	0.9034125	0.79630697	0.9152682	0,9337693	1.1357371	0.91542673	0.9528876	1.1443897
Alpha-1 microglobulin/bilomin precursor (Ambp)	2.037957	1,2879493	1.0719204	0.90936154	1.0852538	0.95716834	1.0485048	1.0365838	0.907788	0.25739694	1.3825171	1.040016	0.36698413
Obace 4 DCT 40	0.04959794	7861C880 0	A 07.006324	4 2080208	1 406526	1 0840464	0 0244858	1 0574085	4 0320691	0.0539084	0.9442475	0.053540	1 0794921
Manafa	0.01000124	0.500054500	0.0122000	1 5094578	1 2004446	4 2873644	1 0055354	4 0244447	1 0277200	0.6513475	1 046587	1 0264612	0 91795355
Decode	0.00043277	0.9001210	0.980429A7	1 3085046	1 0649774	1 057842R	0 09350874	0.8943727	0.9876202	1	0.89433485	0 89949787	0 95867497
Rethold X receptor alpha	0.7897783	0.97929156	1.0189103	1.5890176	1.174696	1.1747737	1.0683852	1.1163985	1,1113155	-	0.86887255	1.1269946	1.2815828
Cellular nucleic acid binding protein (CNBP)	0.9340382	1.0724539	1.1207192	0.7602858	0.84625703	0.99828583	0.96162796	870609678	0.95437056	1.0533698	1,1605233	0.9758877	0.8101385
NADPH cytochrome P450 oxidoreductase	0.84047323	0.77253899	0.8178517	1.4133582	0.91977068	0.9522435	0.81730705	0.9270915	1.0189791	_	0.87291646	1.0428517	1.7672433
Malic enzyme	1.0451857	0.9680799	1.0589718	0.98937845	1.0358738	0.93962485	1.1251744	1.0721167	1.117616	0.60656124	1.483861	1.2558788	1.0458084
Caspase 1	0.7589474	0.94273716	0.96891195	1.8094683	1.298377	1.2347965	0.6208087	1,0814759	1.0324082	2,4144/3	1.03203/4	C00888/6:0	1.012462
Cystaun C	1.0483481	1.148/845	1 1482430	1.035/39/	1.28034.0	1 2729814	1.33//491	1 0401802	1.0034330	0 8230972	1.033/303	1 0325182	5 9877205
Pok(ADP-those) polymerase	1.0500001	0 8901122	0 8488996	0 86677736	0 85369223	1 0932785	1 0088418	0.8888649	1.1209389	1.8375245	0.9696912	1.0564777	1.6234771
Tissue plasminoden activator	0.9317702	0.97192407	1.0090725	1.0530041	0,98193496	0.89136523	0.90402293	0.9540729	0.9459493	2.1652613	0.98751904	0.9546615	1,5977608
Muttdrug resistant protein-1	1,3331015	1.1182388	1.1844878	1.0344088	0.95053756	0.8092104	1.3494302	1,2854148	1.2561107	4.341694	1.4502778	1.2420723	5.848797
Phase-1 RCT-207	0.950687	0.9676954	0.9742462	1.0335116	0.94309944	1.0022372	0.9699174	0.8670589	0.9824671	4.8798175	1.9436535	1.3676472	1.5422435
Phase-1 RCT-181	1.1017331	1.0119747	0.98674667	1.2682756	1.0055617	1.2039629	0.8837502	0.8973816	0.8398455	0.6523249	0.8822088	1.0149158	0.656751
Gap junction membrane channel protein beta 1 (Gib1)	0.6488518	0.7488701	1.2057523	2.0786688	1.0047126	1.9012192	0.5097248	0.8350858	1.1767944	0.39395624	0.6228019	0.9490517	0.62242424
Aquaporin-3 (AQP3)	0.9224774	0.9893837	0.9996408	0.9209801	1.0895181	1.0166655	0.8364621	0.99264544	0.9600801	0.78524446	0.9485655	0.9437774	1.047214
Myelin basic protein	1.0551604	0.7621787	0.77117395	1.849478	1.3651912	1.5887742	0.8396072	1.1814052	1,5001539	1.4924711	0.9804694	0.97324926	1.4206929
Calgranulin B3	1.0496646	1.0244253	0.9440789	0.8663518	0.71729505	1.0241956	0.94213456	0.87350196	0.9781903	1.4611111	1.0894368	1.101493	1.0350868

							ı		1010000	24 5000 4	4 0450004	1 03846401	1 416527B
	4 4267285	4 402REER	1 N21478B	4 42877285 4 4028656 4 0244286 4 0982322 1 1043661	11043661	1.487789		1.02/164/	0.882/210/	0.862923 1.02/164/ 0.882/210/	200	2	
Phase-1 RCI-156	1.150/650	1.1020000		-		4207000		4 4300.483	1 42400CT 4 4200A021 0 8726678	1 30776668	1.0580425	1.0580425 0.90334904	1.0283198
Dente servicetor 28 sloke	1.1836909		1.4390863 0.9872422 0.6672541		0.8905173 0.7594657	0.7394637	1.1310	200	0.0120020	2			
בוחנפסחוופ מפוגמתו דה מוחים							_	_					
												_	
(1) Gene expression data for 72 hour timepoint								_	_				
are presented as mean ratio of treatment/control					_	_	_						
for all 72 hour predictive genes (Table 23).					•								
					1								
(2) Compound and dose abbreviations as in										_			
Table 1.						1							
(3) Individual animal number								1	1				
(4) Liver inflammation dassification for compound										<u> </u>			
dose group at 72 h: yes-necr, necrosis observed;													
yes-both, necrosis with inflammation observed;													
no, no histopathology observed								-					
(5) Predictive gene (as in Table 23 and as													
included in Table 26)													

Table 30. Expression Data for 72 Hour Timepoint												1	
/.,													
3	ANIT 60	ANIT 60	BRB 200	BRB 200	BRB 200	RRR 800	BBB 800	BDB 800	4 4000	1000			
	1658	629	327	183	8	337	Ē	2330	7	7	2000	CZ NWO	C NWO
flammation Classification (4)	yes-both	yes-both	yes-both	yes-both		ves-both v			_			1071	400/1
Gene Name (5)		_							Γ	Π	Γ	Jeannail	Ves-Don
P-1489-1 RC1-10/	0.6111192	-	0.7727622	0.6237829	0.5761005	0.5761005 0.68854237 0.59589267 0.64495987	0.59589267	0.64495987	0.48350366	0.37599236	0.7235594	0.9711943	0.82333183
Devidention and a suppression of the property	0.18586534	1.3524756	0.56834775	1,2205142	0.4922842	1.060364	0.6336106	0.38600582	0.37186563	0.29023176	0.623182	0.16584021	0.15931389
Charles and Les mater angengene	5.3185306	0.8965269	0.8965269 0.80617905	0.9406393 0.89901066	$\overline{}$	1.2327284	1.3481904	2.810781	1.7270813	1.9438897	1.2480869	24221308	1.555598
Communication 2010	0.42454416	0.84024745	1.3248413	1.1307435	_	0.77574515	0.9578324	0.9578324 0.66406155	0.48434913	0.34757784	0.6960898	0.3934356	0.60272014
Cylocaroma P460 2C11	0.9482312		0.68644773	$\overline{}$	1.3836515	0.6955023	0.5908424	0.6571104	0.18127547	0.44753546 0.12238744	0.12238744	0.072831936	0.2183671
Phase I RC 1-290	0.53008085	-			0.58824605	0.9213471	0.65212554	0.5464998	0.4113167	0.36973593	0.7247496	0.40415227	0.40287575
Policie and a series of a seri	2.1689281			0.81355095	0.97653884	0.8472125	1.1233288	1.4554147	0.88805944	0.9372645	0.8111369	2.7363634	3.0225022
Phase 1 PCT.202	2001358	0.8772548	1.1627727	1.8711132		1.8288682		3.1734638	1.6233562	1.6378309	1.0991755	2.584273	1.9560804
Pynyate kinase miscle	2 500036		0.9158368	0.7816947	_	0.85541767	-	0.83773303	0.80936178	0.8462255	0.8163309	0.7484225	0.86878026
Osteoactivin	F 0582288	1 1035/132	20102101	1.3203623	1.4429157	1.2895952	1.3393977	2.6244667	1.6411086	1.6721833	1,3151839	5.7798767	1.5646151
Calgranulin B1	2519018	_	0 80063486	4 9747420	4.6531406	3.20(9.20	4.552991	11.614666	7.446975	5.5573606	5.130466	9.442778	3.1861467
Apolipoprotein All	0 43506	_	0.000000400	13/11/29	-+-	_			1.7762886	1.7880337	1.2305915	2.4721289	1.7273381
Connexin-32	0 4801046	4 2027844	4 0744964	4 4004594	-	-	_		0.22365208	0.2851685	0.2509521	0.08616205	0.28289163
Phase-1 RCT-109	1 834832	1 451195	4 0775042	1,1024531	0.9486884	0.96/2831	1.0456336	0.7840789	0.7519967	0.5914087	0.7559827	0.54694635	0.88321847
Glydne methyltransferase	0 15111707	4 4594436	4 0727449		2.0008203	1.736432		2,8308856	1.4954778	1.4311703	1.1656619	1.6528914	1.5791022
L-gulono-gamma-lactone oxidase	0.65181494	0.7711036		0.7659392	0.96015		0.53674686	0.37666216	_	0.16511686	0.4630458	0.30173972	0.59310603
Phase-1 RCT-258	0.5793061	0.8359926 0.77106184		1 14 48303	CASSAGO O	1707070	_	0.48032296	0.752503	-1	0.83942187	0.22416784	0.2959485
Carbonic anthydrase III	-	0 24657686	0 8133648	0.603564		0.46046000		0.83230273		0.840338	0.9701997	0.38847592	0.62077
Phase-1 RCT-78		1	0 6580538			0.40910988 0.66645655		0.2891845		0.63282484	0.5093485	0.0738052	0.40590802
Urinary protein 2 pracursor	0.24414366	0.6336075	0.7467454	_		4		0.7010094	0.0010202		_	0.5/408226	0.73384655
Insulin-like growth factor I	0.310505	-	0,74112487					0.4833642	0.4833673 0.13231053 0.2056011			0.120600335	0.21235335
Aryl sulfotransferase	0.53343904	0.708731	0.96171606	-	0.6305057	-	0.77503973	0 48465106	0 63650256	0 6222702		0.23033310 0.4106330	0.41063908
Phase-1 RCT-185	1.0642874	0.63551986	_	1.1087085	1.0081334 0.70196486	0.70196486	0.9038739	0.51039106	0 50034314	0 4633894	-	0.4400048	210000000
Cofflin	2.279488	1.0114301	1.4748895	2,1497068	2.6273787	_	١.	3.709798	1 2444088	1.466486	1 1823217	2 2250853	4 F2020EB
Stathmin	2.7410111	1.0045274	1.1402411	2,3607128	2.978854	2.0600462	1.7306098	2.7680163	1.7461784	2 222967	1,5889753	2.837953	2 026919
ous noosomal protein L6	1.6374292	0.9639581	1.284749	1.6086637	1.818548	1.5489585	2.3567622	2.8756253	1.6391575	1.8380125	1,1257768	1.84379	1 4363431
College the II	3.448336	1.1147871	1.0865892	1,8334358	24371116		2.5859466	3.5943158	2.5260177	2.8906698	1.7168921	5.946344	2.4033005
Phase 1 PCT 170	1.1164658	1.3440994	1.4732435	2.2941186	3.6570728	2,8178325	1.3447584	1.7479692	2,5078828	5.842111	1.8792013	2.1576884	1.204181
Voltage denendent anion champel 2 Nitaco)	1.540269	0.94634783	1.6835997	1.6269447	1.9696738	1.6219666	2,3027236	3.0223055	1,2264303	_	0.98665005	2,1172245	1.565233
Phase-1 RCT-192	1 5078654	1 4003087	1.41255/	2.0561442	2,433,2984	2.1740801	2.5925894	3.4402854	2,4677396	2.5078368	1.5859789	2.2485178	2.0533373
Adenine mudeotide transfocator 1	1 6169317	4 0412419	4 2882234	1 2244502	4 404040	1.01397	2.47.28211	2.4/45862	2.8850422	2,5080056	1.4288508	1.8207209	1.5489115
Thymosin beta-10	3.6569297	1 0618172	1 7708431	3 30 40 BA	2 8444526	2 00 40 20 4	1.4/6//39	1.8178958	1.139911	1.38/4444	1.0846702	1.0585098	0.9469777
High affinity lgE receptor gamma chain	1.7143995	1.9512392	1.3287559	1,4440914	1 9006971	1 7916774	2 033800	2 574305	1.7324368	1./508233	1.3400304	4.0785317	2.4408278
(FcERigarima)											1	201002	7890606'1
Garrana-actin, cytoplasmic	3.0877373	0.8200279	0.9215995	1.9852321	2.9552138	1.0954335	3.6883225	4.009283	2.1523516	1,6232893	1.0627815	25131214	1 7987823
Uncompling protein 2	2.916121	1.1284462	1.4126846	1.7535679	2.5119882	1.9007322	1.6812453	2.6750073	2.0523226	2.3215685	1.6471984	4.83378	2.4350781
Observe A DOT 64		0.8337413	0.7601743	1.0574248	1,0840099	1.3759922	1.9716488	1.9915043	1.5736097	1.4520376	1.0520015	0.97870845	1.4206414
Codin Ot	 .	0.69442326	1.837173	1.664066	1,5978005	1.4778129	1.8976943	1.248938	0.9908515	1.0422833	1.196149	0.7482621	0.954494
Common of the second of the se	6.6928487	0.8806712	1.0805936	1.1734641	1.2697256	1.5671031	1.241705	3.0850465	2,4036522	2,7915921	1.8199335	2.126251	1,5951105
Zine factor amfolia		0.9984356	1.4015443	2.0311606	3.1680524	2.0825603	3.3272195	7.3242702	2.9945643	2.700304	1.6547767	7.1561027	2.3873766
Phase-1 RCT-138	2.5739488	2.2509618	0.9535018	1.0057323	0.9653457	0.9935393	0.8843341	1.5186821	0.9843267	1.0974257	1,0319549	1.7510642	1.2373524
Alpha-tubulin	5 144883	1 1156065	7504177	2 305054	7,6604447	1.5588415	2.1085773	2.28398	1.6298089	1.8006104	1.4304013	24232948	1.4247289
Alpha-prothymosin	-	0.86795366	1 1481184	2 3500555	2 050404		2.0109240	3.589393	2.284918	2,1531665	1.0031354	3.5484728	3.055657
Calpain 2		0.9788865	0.9937571	1.0503534	1 3379524	1	1 1883557	3.0013403 1 5413448	1.2/602/8	1.0542/0	1.132011	1.8180588	1.4252074
Phase-1 RCT-12	1.5306286	1.0474133	1.2127181	1.053487	1.7814792	1	2.1883473	1.8576530	1 9081862	1 7506033	1.18/0428	1,8850191	1.3847775
Cathepsin B	1.5576241	1.1710337	1.4823563	1.7322345	1.7976509	1	2,3655205	2,6556904	2.1628554	1 9978731	1 6620054	1 7222044	4 2303676
Phase-1 RCT-24	1.4239485	1.1332122 (0.75963044	1.9745862	2,4987066	2.022376	3.84797	4,150613	2.6398728	+	0.9268476	2 949472	2 8701186
Melanoma-associated artigen ME491	2,6273792	1.2038822	1.0846868	1.0906752	2.025034	1.5277342	1.9358548	1.9230475	2.8335657	\perp	1.8273805	3.0472207	1.9462024

Phase-1 RCT-68	1.848668	0.98630377	0.9594758	1.0604378	1.2058328	1 2584047	1.3107048	1 8542248	1 9228114	1 3582137	1.2798647	2 2 1 9 9 7 0 2	1 5083691
Cyclin G	2.6802404	0.98227537	0.922801	1.0264305	1.2475336	0.9808189	0.7712559	2.0406425	1.8915764	1.696552	1,3955551	5.484721	3.7876575
Hypoxanthine-guanine phosphoribosyltransferase	1.8787786	1.0457658	1.0172098	1.5020621	1.8090909	1.695081	1.9576074	2.0741048	1.4189752	1.2745352	1.1542877	1,4335092	1.4098204
Tissue inhibitor of metalloproteinases-1	1.9978997	1.2665808	1.2583687	1.2432323	1.5583994	1.2129298	0.91675586	1.7800725	1.4994252	2.0878356	1.4620091	4.641523	1.3519387
10-1	2.8517833	1.2325331	1.212875	1.1349261	1,2350013	0.97236377	1.1588576	2.0393069	1.1698803	1.2558857	1.1279438	1.4885098	1.4569129
Ribosomal protein 59	7.7230278	3.0407694	1.1485629	1.7010472	1.8385332	1.8691975	1.6685059	2,45391	1.5533175	1.7631791	2 4026043	1.7730641	1.5195584
Ribosomal protein S8	1.5453748	0.81420463	1.54954	2.1811929	2.391112	2.0316868	3.622021	3.288959	1,7069017	2.198003	1.1281142	1.7367666	1.473767
Ribosomal protein S17	1.5419097	0.7669351	1.3301822	1.8066574	2.2792068	1.8467163	2.7267776	3.1437125	1.9363995	2.0189354	1.2129514	1,3928349	1.122826
Nucleoside diphosphate kinase beta isoform	1.1468763	1.001797	1.2472756	1.8499653	2,7569854	2.1220007	2.5074408	2.7934363	2,3024597	2.0810084	1.9878081	2,1338427	2.1390774
Phase-1 RCT-121	1.9514631	1,0905569	1,337518	1.272791	1.4043186	1.4291171	1,2234522	2.0220513	1.4909078	1,8977509	1.3770657	3,2825465	1.8550783
14-3-3 zeta 605 albocomal modeln [6 (allomate clone 1)	1 4524042	1.155319 0.8420774	1.403593	1.3697712	2.007074	1.7307416	1.9510972	2.868237	1.861678	1.8765299	1.2699434	3.0135367	1 3781241
Beta-tubulin class I	7.5364776	1.0488628	1.0018606	4.114321	3.307786	3.0904758	4.762875	6.199554	2.8189354	2.4194798	1.2598692	3.7684325	2,8386497
Organic cation transporter 3	1.5530481	0.963211	1.0441813	1.0820467	1.5866146	1.0697105	1.6903996	1.8328681	1.5646762	1.8374114	1.191203	1.6684073	1.3712819
Beta-actin	1.9209703	0.84851015	1	1.8412466	2.7554574	2.2243006	27534175	3.9160047	2.0807853	2,6451986	1,2687081	4.848096	3.4460404
Cathepsin S	1.7622389	0.9779825	1.8619932	1,485594	1.5859995	1.3345643	1.4216883	1.9187645	1.574982	2.0571692	1.4410139	2.361692	1.7216731
Biliverdin reductase	2.1722279	0.95356756	1.4558543	1.4958446	1.4730015	1.7384639	1.0909985	2.4420905	1.7828571	1.6847373	1.5418354	22413964	1.7901897
Prize-1 RCI-134	2.358975	1 02/0024	1.0150043	1.1351324	2.0537834	1 5871492	1.6232723	2.598476	1.3780335	2.2657673	1 0350255	7 22828	1 740931
Amexin V	2,1399198	1.0080514	1.011234	1.3029742	1,6915519	1.11355	1.1952262	1,5578784	1,5176528	1.6017687	1.2895945	25433059	1.3920951
Complement factor I (CFI)	0.99190617	0.87228966	2.5546002	1.6799498	1.5205309	1.4721345	2.193438	1.509181	0.9050207	1.0034931	1.039572	1.0567268	1.1499912
Phase-1 RCT-276	1.1990963	0.9169738	1.0483599	0.84586686	1.229546	1.0808332	1,1332178	1.0748258	1.275336	1.1711084	1.0821284	0.9044752	0.9405223
Tyrosine ammotransferase	0.56063074	0.82706153	3.1817298	1.0832149	0.8350878	1.4043655	1.0637895	0.7727688	0.74128777	0.7339188	0.46596226	0.41777927	0.25786275
Glutathione percedase	0.42512748	0.82570004	1.7648637	1.8033992	1.2268484	1.1453148	1.583518	1.2073557	0.7640582	0.8676335	0.9484952	0.5256974	0.9483574
Histidine-rich glycoprotein	0.39079654	0.5291272	1.8534465	1.1621338	1.1294367	1.0882238	1.4714772	0.78211695	0.0934159	0.8747972	0.7515911	0.77214414	0.8250121
Caronic arinydrase III, sequence 2	0.36490268	0.5322517	1.7236056	1.0722268	1.1234825	1,0555568	1.4046154	0.7868780	0.9160772	0.82482165 0.7393982	0.00045344	0.7121967	0.76071854
Transitional endoplasmic reticulum ATPase	1.1979697	1.1523108	1.3247718	0.983288	1.1367193	1.0257447	1,4501932	1,3989881	28685	0.85984375	0.92073095	0.8872732	0.9487317
Phase-1 RCT-88	0.613948	0.84448457	0.7476377	0.87759656	0.77764887	0.719597	0.67234178	0.60862774	0.8764558	0.83392566	0.79262185	0.84250647	0.82666266
Phase-1 RCT-296	0.5299843	0.7765101	1.8634193	1.725418	1.8500589	1.3860157	1,4364918	0.7682615	0.68758947	0.75466186	0.9360926	0.39935872	0,86580396
Phase-1 RCT-161	0.6941131	0.99226344	0.7269683	0.6561153	0.581982	0.65372175	0.58576554	0.53000006	0.6987821	0.7092018	0.65312797	0.5225036	0.6668678
Glutathione S-transferase theta-1	4 137994	4 2580843	0 7325004	1.5809367	1.3445275	1.6849217	1,3219473	1.5524569	0.7777969	1.20407	2.140176 0.73978986	0.6279781	2,000,0167
Phase-1 RCT-182	0.42282712	0.8894735	1,3711076	1.175565	0.8345465	0.912715	1 1450249	1.0886345	0,53951234	0.55482185	0.7962179	0.40737042	0.7468404
JNK1 stress activated protein kinase	0.613389	0.7708649	0.83395904	0.78093003	0.5981025	0.7450544	0.59288776	0.53590703	832	0.6918693	0.9390989	0.5496806	0.64472863
Phase-1 RCT-81	0.67784846	0.91915417	0.7905642	0.7622936	0.81349385	0.7978592	0.78928374	0.69099814	0.5656784	0.59706014	0.80076915	0.80127513	0.8665456
Phase-1 RCT-33	0.65565324	0.8617401	0.66585463	2		1.2551826	1.1844825	1.1145512	0.64089325	0.695174	0.65273833	0.4265149	0.70769817
Prisse-1 KC I-178	0.30142143	0.5/51325	0.693501	0.4870389	0.47775397	0.4135/818	0.4682515	1.4292703	0.60289927	0.524485	0.5/44555	0.94349247	0.49314455
Phase-1 RCT-98	0.7471356	1.016783	0.7185122	0.637303	0.2373930	0.74391794	0.8690359	0.5893254	0.07010203	0.7604342	0.95310444	0.88751256	0.8839839
NADH-cytochrome b5 reductase	0.72389483	0.98100275	0.724902	1.1825792	0.89756656	1.0066137	1.1127805	0.9006701	0.57517207		0.5994708	0.4037173	0.5372008
Alpha 1 - Inhibitor III	0.2397205	0.6872279	1,2896957	0.71351314	0.5971569	0.67598784	0.68393785	0.33621112	0.32445717	0.23567039	0.5004625	0.2152809	0.34569034
Phase-1 RCT-233	0.34294084	0.86012536	1.2244637	1.0835211	0.78213096	0.9185147	0.8322601	0.71957654	0.6289094	0.6885351	0.7451369	0.48732367	0.6127599
Paraoxonase 1	0.27699614	0.7576053	1.5912638	1.0961878	0.9235965	0.8918986	1.0744874	0.68141544	2 5	0.456519	0.73376745	0.16596882	0.3/43395/
Andinopmitein C1	0.2618043/	0.42056865	13161744	1 043584	0.7207968	0.65457207	1 2417547	0.91662973	0.3554343	0.26343146	0.3911058	0 13774483	0.1489451
Cytochrome P450 2C23	0.42019176	1.0233607	1.6615431	1.7709253	0.7873204	12205002	1.0780877	0.90866375	0.31152707	0.4020347	0.36416158	0.34867844	0.44028622
Phase-1 RCT-227	0.21206807	0.59823215	1,1002557	1.1372662	0.6574865	0.6973003	0.82404774	0.55515736	0.6174007	0.64701456	0.64793396	0.40335017	0.6366171
Hepatic lipase	0.5996757	0.9077893	0.67277825	0.96665907	0.7284258	0.59259826	0.4671181	0.37982136	0.34710532	0.34773895	0.5092864	0.24103922	0.42798734
Phase-1 RCT-164	7.8855588	0.9798481	0.7173139	0.60978675	0.64599866	0.6484931	0.6598213	0.6022717	0.43432474	0.4640241	0.69840187	0.61279684	0.7069434
mulating resistant protein-2	89C2997	1.094/54/	1.2993512	-	2.095334	1.3810167	1,2504348	2.5/88338	2,8763613	2.0682833	21//302	4.9/1008	4./01//84
insularing grown ractor i, excit of the National		0.6020333	0.768902	0.8297927		0.7041129	0.76622415	0.51461285	0.29381675	0.3189412	0.37487826	0.23571162	0.40510668
Dynamin-1 (D100)	0.40425205	0.8880163	0.81031317	0.68551767	0.75971025	0.79374135	0.7240465	0.63831186	0.6496497	0.78306574	0.68444683	0.83257765	0.93308276
DNA polymerase beta	1,2253594	0.8669943	_	-	—	1.2949207	—	1.5002933	1.7077502		1,500431	1.1733016	1.1713389

Phase-1 RCT-173	1.507371	1.188338	0.96623325	1 2572962	1.3455532	1 6250732	1 2371801	1 4621053	1 6699445	1 7376B1	1 8110774	1 2639678	1 0804424
Ubiquitin conjugating enzyme (RAD 6 homotogue)		1.6448854	0.9145531	0.9966877	1.5702314	0.84978455	0.98524064	1.1941255	1.5057485	1.8342779	1.1489016	1.4286754	1.3170702
Ribosomal protein L13A	1.6768426	0.86144503	1.2385345	1.9794277	2,3379884	2.0492268	2.5302038	2.829622	1.5813111	1.5214164	1.2517387	1.8561428	1.7518731
Phase-1 RCT-144	1,9486456		0.9922551	0.84157765	1.0370655	1.0904684	1.3288761	1,8062999	1.3564309	1.3619854	1.1020281	1.4607508	1,2258269
c-H-ras	1.5282377	0.9669331	1.0440084		1.3462113	1.3626825	1.2613236	1.61882	1.2164484	1.1456691	0.89577305	1.6479018	1,675828
Vesicular monoamine transporter (VMAT)	0.79778117	_	_		0.59785044		0.46701482		0.90117246	\rightarrow	0.94646674	0.9818421	0.97173154
Present RCI-2/3	0.98627335	0.99582943	0.8775444		0.92750496	0.8470081	0.6777029	0.7080847	1.1281298	1.001867	1.1189876	0.9585637	0.8608906
Phase-1 RCT-74	1,58612/4	1.0406	0.7059123	0.84818333	0.91626877	0.98313	0.8218711	0.9556381	1.4280838	1.564372	1.2019513	1.9285115	1.4944279
Phase-1 RCT-80	0.9543284	1	-		-			0.5812245	1 1050779	_	0.035000	1 0040803	0.0183022
Phase-1 RCT-158	0.9758431	┸			_		1 023089R	1 9502809	0.8920725		0.97525287	1 665566	0.001283
Deoxycytidine kinase	0.86451	┖	-		-		0.34880212	0.5711655	0.7804573	0.964273	13370477	1.1069149	1 0115371
Inositol polyphosphate multikinase (lpmk)0	0.7451444	1					0.5689204	0.5985763	0.9011378		0.89741397	0.71051323	0,6683113
Neuronal cell adhesion molecule (NrCAM)	0.83358207	L	-	0.6593285	0.7772758		0.45074034	0.5858539	1.3679242		1.0618383	1.3018503	1.3886065
Hepatocyte growth factor receptor	1.045844	1.2174791	0.920229	0.7926198	0.7721197		0.4663396	_	٠	0.75568286	0.9881713	1.3631207	1.0616171
Етрtу	0.90698725	1,2250528	0.6471151	0.55855143	0.5328374	0.57658696	0.3364018	0.4332038	0.9928597	0.8596956	1.0308642	0.9990021	0.7726385
Doparnine receptor D2	0.9206008	0.92530495	0.86229193		_			0.62466514	1.4992238	1.4702864	1.4559829	0.8868318	1.1424544
Phase-1 RCT-51	0.8467865	1.0708249	0.68934155	0.679024		0.7488338		_	1,2183075	1.2986563	1.113552	0.9638406	0.95439035
Four repeat ion channel	0.96815926	1.3549362	0.64729774		_		_			0.92169964	0.9325052	0.98730685	0.8000926
Adrenomedullin	0.9230332	1.2685459	0.63811284		0.55023134		_	_	0.95770913		0.9731725	0.8478319	0.8479158
Caveolin-3	0.8376306	1.1572907	0.6467999		0.62673205	0.6737735	0,52427465	0.599017	-		0.99372154	0.97984608	0.7857059
Phase-1 RCT-129	1,0106397	4	0.7685506	0.7001255	_	0.747046	0.5912881	0.595783			0.95929736	1.206592	0.9580181
Phase-1 RCT-94	0.8286809	-	0.83118606	_	_	0.7844367 0.71831444	0.71631444		-		0.94513494	0.9269647	0.9396956
Sarcoplasmic reticulum calcium ATPase	2.0113026	4	0.7823429	0.9424552	_		0.5163311	굸	0.95302814		0.94545513	0.73492056	0.70672154
Phase-1 RCI-/8	0.95428526	4	0.78412724	0.8419409 0.88439727	-	0.88082546	0.75792958	0.9412956	1.124478	1.1216078	1.0342993	0.80252934	0.8675283
rhase-1 KCI-252	0.7518413	1.0108798			1.6762851	2.1234903	1.864534	1.292238	1.5011942	1.4095145	1.1406878	0.5244244	0.60658926
Dhase 1 DCT 70	3053590	0.9030607	1.1720148		1.4864817	1.259311	8	1.1973035	0.8983395	0.7248869	0.9081693	0.9125203	0.94916815
Phase-1 RCT-150	0.78534013	1 0336987	4 28435E	1 3313847	4 0023606	4 0621806	1 2955199	4 240830		0.80383070	1.03/0140	0.9090900	0.8777443
25-hydroxyvitamin D3-1 alpha-hydroxylase	1.16952	1,2261523	0.797353	0.7136589	0.5558125	_	0.42288974	-		0.8970324	0.8916959	0.9728799	1 0032381
Phase-1 RCT-119	0.79897326	1.0457028	0.8258267	0.808034	1.1569631	0.9384379	Ιv	13	1.4887924	1.4285872	1,1563914	0.5567816	0.6413982
Peroxisomal 3-terbacyl-CoA thiolase 2	0.849499	1.0339568	1.0622996	1.3894556	0.94969636	1.8291631		1,9751009	1,4350338	1.0634096	1.6036863	0.88310463	1.0887073
Phase-1 RCT-146	3.0812671	1.1159716	0.8461375	1.321227	1.3249532	1.2866919	1.4085838	2.5591617	1.6007707	2.056257	1,2065194	2.4925826	1.5479223
Superoxide dismutase Min	1.507313	0.91038674	1.0319892	1,3219724	1.1208352	1.5360054	1.3189995	2.0105186	1.2443391	1.2937652	1.1782321	1,3965788	1,2479894
Phase-1 RCT-115	1.2567042	1.1444894	0.68597126	1,2209282	0.87982136	0.8690408	0.79437566	0.75804808	1.4286963	1.1537753	1.2886771	1.175762	1,5017886
Alpha-1 microglobulin/bikunin precursor (Ambp)	0.49156705	0.8082636	1.2708362	1.3203362	0.9021991	0.91053057	1.2360779	0.727944	0.46722135	0.46782656	0.642389	0.47896116	0.6596317
Phase-1 RCT-18	0.7489919	1 037055	0 70183006	0 8178812	0 81850475	0 84035087	0 9222887	0 7473084	OUTESTED	0.0545006	4 0504604	0 05545100	0 000000
Maspin	0.7541935	Γ				0.59823763	0.3959693			0 72834986	0 9393907	0.87666994	0.5985384
Decorin	0.9869403	┺	0.9479135	+-	_		-			3.522792	1.2060379	1.6891999	1.2463338
Retinald X receptor alpha	1.4697093	1.1377729	1.0746399	0.98665478		0.84668833	_	0,755566	1.8851752	1.5691164	1,185486	1.1117	1.3834056
Cellular nucleic acid binding protein (CNBP)	0.89968884	0.777738833	0.779902	1.0442412	0.85974777	0.8934899	0.7273068	1.071908	1.1694745	1.1487486	1.0042541	0.9115816	1.0701214
NADPH cytochrome P450 oxidoreductase	1.5164313	_		1.0160581			0.778818		1.4831947	1.0642203	1,2473122	1.5622375	1.5238445
Malic enzyme	0.98331237	0.7764307		0.57404035	_	_		-	_	0.86803097	0.9321312	0.6183867	0.7922252
Caspase 1	1,5186269	4	_	0.68647116	0.6873988	0.7159444		0.71697104	1.2996316	1.2507378	1.0787739	1.6497236	1.2783409
Cyedan	1.135385	1	1.5611454	1.6873826	1.9346591	_	2,060065	1.8302889	1.4451475	1.7024032	1.142634	1.4454843	1.1321583
Dolu/Ang-dhoes) references	4.010024	1.030/381	1.21/4098	4,040634	82281/G.F	٠.	0.85102403	2.416855	1.28513	1.2843177	1.4895244	230/082	1.6167485
Tissue plasminogen activator	1 8362758	1 0164875		0.96079576	4 26n9147	1 9524277	1 6263255	1.0033020	1.340336	1,336/389	1,200211	1.4420/83	1,3061331
Multidrug resistant protein-1	8.373859	1.1132727	_	1,3101763	2.0496535	1.5871942	1 4042009	3 4925625	2 4378831	1 7078879	2 2996101	6 283614	4 383023
Phase-1 RCT-207	2.1614718	1.2949879	_	0.94537413	1.1838957	1.1102388	1.2155129	1.7862506	1.4129148	1.4194102	0.9898889	2,3183565	2,5111995
Phase-1 RCT-181	0.5787362	1.0493506	1.0932472	0.9248904	_	0.92409056	96	0.87488204	0.8162162	0.7796258	0.9294635	0.6701383	0.8316578
Gap junction membrane channel protein beta 1	0.5325597	1.4749839	0.9118174	0.98460686	0.9264998	1.2619301	0.9777702	0.93332875	0.8444193	0.50744724	0.86823213	0.47453895	0.8151804
Aquaporin-3 (AQP3)	0.74586284	0.99738085	0.71787685	0.6389068	0.73860717	0 71291435	0 7060642	0.621568	0.7851493	0 75918R	0 8825231	0 775085	0.85453046
Myelin basic protein	1.2824967	1 1103352	1_	_	1 268463	1 2174412	1 2905918	1 1181414	1 2039073	_	0 9609007	1 2277187	1 433104B
Calgranulin B3	1.3180627	1.072504	0.9790334	1.073899	1,2157297	1.1869388	1.0729957	1.4959016	1.2449272	-	0.9734225	1.1978152	1.1476324

se-1 RCT-156	1.4924241	1.4924241 1.0020304	1,233008		1.28778 1.3806046		1,8165472	1.4256825	1.0984148	0.99047506	1.252535 1.8165472 1.4256825 1.0984148 0.99047506 1.0311408	1.1417353	1,2903998
easome activator 28 alpha	1,3582968		1.6207783	0.8579352 1.6207783 1.5680829 1.6763741	1.6763741	1.8336874	2.453395	2.6774223	1.1797336	2.6774223 1.1797336 1.2408711 1.3692554	1,3692554	1.1851022	1,2580016
Gene expression data for 72 hour timepoint		-											
presented as mean ratio of treatment/control								•					
all 72 hour predictive genes (Table 23).													
Compound and dose abbreviations as in													
le 1.													
Individual animal number													
Liver inflammation classification for compound													
e group at 72 h: yes-necr, necrosis observed;													
-both, necrosis with inflammation observed;													
no histopathology observed													
Predictive gene (as in Table 23 and as							-						
uded in Table 26)													

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(5)			
			000
2)	OWN 20	880	950
	80/1	357	
flammation Classification (4)	yes-both	mog-sak	ves-com
Gene Name (5)	0 8040180	0 7016642	0 6188124
Phase-1 KCI-10/	0.0040103	0.006469	0.071252525
Betaine homocysteine methytransferase (briwil)	0.090641840	4 9400872	1 1031351
Proliferating cell nuclear artigen gene	41539037	4 4470500	0 50334036
Cytochrome P450 2D18	0.41323027	0.54048846	0.20093737
Cynormane resultable	0 20700092	0 7738295	0.41149566
PRESENT TO 1-250	2 552778B	L	1 2713583
Flase-1 KCI-08	2 0597517	J.	1 8715502
Beta-actin, sequence 2	7.800/31/	4 0447759	ļ
Phase-1 KCI-292	4 7196656	٢	┸
Pyruvare kinase, muscle	7 740055	4-	T
Osteoactivii	2 2252055	┸	L
Calgranum 51	0 11100008	Te	ľ
Applipation Au	0.57069235		L
Dhose 4 DCT-400	1,726422	_	2
Charles mothylranefarace	0.3782954	1,2850665	0.14329652
1 milion-namma-lardone oxidase	0.18345438	0.7519083	1
Phase-1 RCT-256	0.38599926	٦	۲
Carbonic antivorase III	0.089831196		익
Phase-1 RCT-78	0.5944242		_
Urinary protein 2 precursor	0.14013028		- 1
Insulin-like growth factor I	0.31306607	0.92295676	ò
Aryl sulfotransferase	0.34340733		-
Phase-1 RCT-185	0.45994687	- 1	ŀ
Coffin	2.1932417	4	1 2449398
Signation	4 670570	1	L
605 nbosomal protein Lb	1.020-028	1	
Calpacin I neavy cream	211772	L	<u> </u> _
Collagen type II	2 23797	Ļ	L
Veltage decembert poice channel 2 (Vdac2)	2,2102814	L	L
Observe DCT 102	1 9038267	1_	L
Adoning purioning transfocator 1	1.0003195	Ĺ	°
Thymosin beta-10	4,5365753		
High affinity IgE receptor gamma chain	3.1394496	1.6383197	1.4425371
(recognition)	2 5319722	1 2823808	20532982
Hooseling amfain 2	5.763337	┖	L
Phase-1 RCT-34	1.0498437	L	0
Phase-1 RCT-31	0.7166233	3 1.1030266	
Codia D4	1.6715975	L	7 0.6498021
for hinding profess	6,547444	•	3.767226
Zinc finger protein	1,6320338	2	٩
Phase-1 RCT-138	2.6452522	ı	
Alpha-tubulin	3.4715638	_1	_
Alpha-prothymosin	2.0055177	_	٩
Calpain 2	1.87289	_	1
Phase-1 RCT-12	2,007208	_	
Cathepsin B	1.9117498	1	1
Phase-1 RCT-24	2.830043		٩
Intercome percentated andress ME401	9.9786554	4 0 84235285	

Phase-1 RCT-68	1.8856231	1 2756402	2.1822
Hypoxamthine-guarine phosphorbosyltransferase	1.2631109	1.1326075	1.0975
Tissue inhibitor of metalloproteinases-1	3.128998	2,8370152	10.385
10-1	1.6305699	1.3253391	1.034
Ribosomal protein S9	1.9823402	1.3917673	1.2906
Heme oxygenase	5.313715	1.2870758	3.457
Ribosomal protein 58	1.7991846	1.326/509	706.1
Nurseoside diohosotale kinase beta isoform	1.9797003	0.9680903	1.2260
Phase-1 RCT-121	3.9615777	1.4963027	1.0293
14-3-3 zeta	3.075995	1.1444138	1.4321
60S ribosomal protein L6 (alternate clone 1)	1.6800777	1.2683167	1.5376
Beta-tubulin, class I	2,6551533	0.8950029	0.8110
Organic cation transporter 3	1.6919669	0.7431863	1.1867
Beta-actin	2 2702078	1.5399238	1.4472
Ritherdicties	2.533243	1.4140321	0.924
Phase-1 RCT-154	2.1739683	0.93116295	1.3778
Phase-1 RCT-293	4.982032	1,3600008	1.622
Amexin V	2.390962	1.3544004	1.037
Complement factor I (CFI)	0.99775934	1.8993793	0.926
Phase-1 RCT-278	0.93278664	1.2931049	0.030
Tyrosine artinotransferase	0.3145907	4 0004517	2000
Ghtathone peroxidase	0.623878	1 3151786	0 1471
Carbonic anhydrasa (II senience 2	0.5131549	1.3848503	0.1040
Phase-1 RCT-92	0.45698544	1.0562038	0.194
Transitional endoplasmic reticulum ATPase	0.86054945	1.075758	1.017
Phase-1 RCT-88	0.7942439	1.207669	0.532
Phase-1 RCT-296	0.60530573	2.484485	28600
Phase-1 RCT-161	4 4 4 9 5 8 9 7	1 9185409	0.243
Phase-1 RCT-168	0.64091843	1.0274748	0.585
Phase-1 RCT-182	0.5478536	1	0.3569
JNK1 stress activated protein kinase	0.5406055		0.649
Phase-1 RCT-61	0.7177912	J	0.72
Phase-1 RCT-33	0.5807463	0.7301234	1.378
Apollopratein Cili	0.3568416	1.0805821	1.116
Phase-1 RCT-98	0.79081464	0.9031604	0.7509
NADH-cytochrome b5 reductase	0.42171198	0.9730204	0.4737
Appra 1 - travoluor III	0.243691	1 1635805	0.2020
Paravonase 1	0.21882187	1,3272403	0.1367
Presentin-1	0.24058105	1.0025127	0.4169
Apolipoprotein C1	0.13635392	1.071679	0.2658
Cytochrome P450 2C23	0.42162268	1.6954652	0.17
Phase-1 RCT-227	0.43124133	0.77678545	0.2953
Hepatic lipase	0.2475416	0.87250113	0.4393
Phase-1 RCT-164	0.72538185	0.89859015	0.6293
Multidrug resistant protein-2	0.34395814	0.85839844	0.659
N-Hydroxy-2-acetylaminofluorene suffotransferase	0.33320472		0.0858
(S11C1) Dynamin-1 (D100)	0.74161947	0.9502544	0.603
DINA polymerase beta	1.1561971	0.9621877	1.04

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1,6026064 1,00924 1,985261 1,1452385 1,286261 1,1452385 1,02845262 0,4182313 2,4891170 0,610370 0,8534636 0,4746315 0,6254032 0,4484107 1,52672 1,1191802 0,8931901 0,602814 1,026874 0,9401943 0,8931901 0,602814 1,000872 0,26929 0,7708274 0,9401943 0,7708274 0,9401943 0,7708274 0,9401943 0,7708276 0,26929 0,7708277 0,26929 0,7708277 0,26929 0,770827 0,26929 0,770827 0,26929 0,770827 0,26929 0,770827 0,26929 0,770827 0,26929 0,746616 0,664117 0,718827 0,721259 0,746616 0,664117 0,718827 0,721259 0,746616 0,664117 0,718827 0,721259 0,746616 0,664117 0,718827 0,721259 0,746616 0,664117 0,718827 0,721259 0,746616 0,664117 0,718827 0,721259 0,746616 0,771259 0,746616 0,771259 0,746617 0,746617 0,746617 0,746717 0,771759 0,74777 0,771759 0,74777 0,7717759 0,74777 0,7717759 0,74777 0,7717759 0,74777 0,7717759 0,74777 0,7717759 0,74777 0,7717759 0,74777 0,7717759 0,74777 0,7717759 0,747777 0,7717777 0,7717777 0,7717777 0,7717777 0,77177777 0,7717777 0,7717777 0,7717777 0,7717777 0,7717777 0,7717777 0,7717777 0,771777 0,7717777 0,7717777 0,7717777 0,7717777 0,7717777 0,7717777 0,7717777 0,7717777 0,7717777 0,7717777 0,7717777 0,7717777 0,7717777 0,7717777 0,77177777 0,7717777 0,7717777 0,771777 0,771777 0,771777 0,771777 0,771777 0,771777 0,771777 0,771777 0,771777 0,771777 0,771777 0,771777 0,771777 0,771777 0,771	Phase-1 RCT-173	1.2427564	0.8998468	1.1152853
13.0A 1.9462317 1.382383 1.282383 1.1282383 1.1282381 1.1282381 1.1282381 1.1282381 1.1282381 1.1282381 1.12813173 1.128131173 1.128131173 1.128131173 1.128131173 1.128131173 1.128131	Ubiquitin conjugating enzyma (RAD 6 hamologue)	1.6026064	1.05924	1.156948
1.2863561 11453555 14653555 14653555 14653555 14653151 12632331 12632331 12632331 12632331 12632321 12632331 12632	Ribosomal protein L13A	1.9462317	1.3632537	2.247025
1,502,549 0,474,6115	Phase-1 RCT-144	1.2983661	1.1453855	1.3175316
A	o-H-ras		12523831	1.530816
0.8394110 0.1087110	Vesicular monoamine transporter (VMAT)	-+-	0.47463155	1.043839
0.8764166 0.7868206 1.807776 0.8154816 0.7868206 1.807776 0.8154820 0.4454820 0.4454820 1.8077776 0.8154820 0.4454814 2.8077776 0.8154820 0.4454814 2.807777 1.715820 0.8161814 2.807777 1.715820 0.817818 2.80777 1.715820 0.81781 3.80777 1.715820 0.81781 3.80777 0.817820 0.817820 3.80777 0.817820 0.817820 3.80777 0.817820 0.817820 3.80777 0.817820 0.817820 3.80777 0.817820 0.817820 3.80777 0.817820 0.817820 3.80777 0.81777 0.81777 3.80777 0.81777 0.81777 3.80777 0.81777 0.81777 3.80777 0.81777 0.81777 3.8077 0.8077 0.80777 3.8077 0.80777 0.80777 3.8077 0.80777 0.807	Phase-1 RCI-2/3	+	0.41023173	1 4854684
0.84548587 0.4444107	Prese-1 701-230	0 8784485	0.788870	1 255345
1.6875776 0.9016394	Dhace 1 Dr. 80	0 84548587	0 4444107	1.0130352
0.050194685 0.7705581 0.05240356 0.44881446 1.2564245 0.4681148 1.2564245 0.4681148 1.0262764 0.549119413 1.0703764 0.549119413 1.0703764 0.549119413 0.0703277 0.525595 0.0703277 0.0202561 0.770327 0.785374 1.000372 1.025589 0.770327 1.025589 0.770327 1.025589 0.771389 0.771299 0.771389 0.771299 0.771389 0.771299 0.771399 0.771299 0.771299 0.771299 0.771799 0.771799 0.771799 0.771799 0.77179 0.77179 0.77179 0.77179 0.77179 0.77179 0.77179 0.77179 0.77179 0.77179 0.77179 0.77179 0.77179 0.77179 0.77179 0.77179 0.77179 0.77179 0.771	Phase-1 RCT-158	1,5875775	0.9016394	1,2018623
0.000000000000000000000000000000000000	Deoxycytique kinase	0.96194685	0.7705581	1.4161179
1,2564245 0,4516484 1,169072 1,1191982 0,8891981 0,6528172 1,0109782 0,8971911 0,84998834 1,0502052 0,84998834 1,0502052 0,8774827 0,774827 0,2523074 1,2017422 0,7728374 1,2017422 0,7728374 0,774887 0,655299 0,34884637 0,2555969 0,34884637 0,2555969 0,34884637 0,2555969 0,34884637 0,2555969 0,34884637 0,2555969 0,34884637 0,2555969 0,34884637 0,2555969 0,34884637 0,2555969 0,7748279 1,0592047 1,18962762 1,098419 1,18962762 1,098419 1,7742465 0,6528638 0,8537612 0,6628638 0,6537612 1,1044627 1,1865712 1,1044627 1,1865712 1,1044627 1,1865712 1,1044627 1,1865712 1,1044627 1,1863709 1,122724 1,1656712 1,1044627 1,1656712 1,1044627 1,1656712 1,1044627 1,1656712 1,1044627 1,1656712 1,1044627 1,1656712 1,1044627 1,1656712 1,1044629 1,1656712 1,1044629 1,1656712 1,1044629 1,1656712 1,1044629 1,1656712 1,1044629 1,1656712 1,1044629 1,1656712 1,1044629 1,1656712 1,1044629 1,1656712 1,1044629 1,1656712 1,1044629 1,174324 1,1054629 1,17434 1,1054629 1,17434 1,1054629 1,17434 1,1054629 1,17434 1,1054629 1,17434 1,1054629 1,17434 1,1054629 1,17434 1,1054629 1,17434 1,1054629 1,17434 1,1054629 1,17434 1,1054629 1,17434 1,1054629 1,17434 1,1054629 1,17434 1,1054629 1,17434 1,1054629 1,17434 1,1054629 1,17434 1,1054629 1,17434 1,1054629 1,174463 1,1054629 1,174463 1,1054629 1,174463 1,1054639 1,174463 1,1054639 1,174463 1,1054639 1,174463 1,1054639 1,174463 1,1054639 1,174463 1,1054639 1,174463 1,1054639 1,174463 1,1054639 1,174463 1,1054639 1,174463 1,1054639 1,174463 1,1054639 1,174463 1,1054639 1,174463 1,1054639 1,174463 1,1054639 1,174463 1,1054639 1,174463 1,1054639 1,174463 1,1054639 1,174463	Inositol polyphosphate multikinase (Ipmk)0		0.44681448	0.5744744
1,159074 0,159281991 0,15028172 1,159074 0,2491991 0,2491991 0,2491991 0,2491991 0,2491991 0,2491991 0,2491991 0,2491991 0,2491991 0,2491991 0,2491991 0,249191 0,2491991 0,2491991 0,249191 0,	Neuronal cell adhesion molecule (NrCAM)	1,2564245	0.45160484	0.9269709
10.00000000000000000000000000000000000	Hepatocyte growth factor receptor	1.159072	1.1191982	٦
1,0029782 0.940781 0.8499834 1.050205 0.8499834 1.050205 0.8499834 1.050201 0.08499834 1.050201 0.0770271 0.0770271 0.0770271 0.0770271 0.0770271 0.0770271 0.0770271 0.0770271 0.0770271 0.0770271 0.0770271 0.07702071 0.07702071 0.07702071 0.07702071 0.07702071 0.07702071 0.07702071 0.07702071 0.07702071 0.07702071 0.07702071 0.07702071 0.07702071 0.07702071 0.07702072 0.077070191 0.077070191 0.072070191	Empty	0.8991991	0.6028172	1.1242586
A	Dopamine receptor D2	1.0228784	0.94019413	7.04951745
ast fron channel 0.84593824 1130/20 RCT-128	Phase-1 RCT-51	1.0109782	0.89/611	CUP2818.7
NEGLEGIE NEGLEGIE	Four repeat ion channel	0.84998834	1.050205	52523168.0
Colorable Colo	Adrenomechalin	0.8652592	0.5960319	1.5350003
NCC1-128	Caveolin-3	4 2047422	0.0022001	4 475475
Content Cont	Phase-1 KC (-128	1 0000072	1 0265609	1 2811086
RCT-129 RCT-1299 RCT-1299 RCT-1299 RCT-1299 RCT-1299 RCT-1299 RCT-1299 RCT-1299 RCT-1299 RCT-130 RCT-130 RCT-140 RCT-1	Samoulaemic patertum calcium ATPace	0 7748615	0.8541117	1.3511043
RCT-155	Phase-1 RCT-79	0.7983578	0.7212599	0.99861455
RCT-151	Phase-1 RCT-252	0.34864637	0.9355968	0.38855928
Content Cont	Phase-1 RCT-151	0.8519434	1.0879699	1.2836052
National Decirity Nati	Phase-1 RCT-70	0.87584794	0.89695007	0.9826868
March Marc	Phase-1 RCT-150	0.7189278	1.2268974	0.6404482
National Particles Control Particles Con	25-hydroxyvitamtin D3-1 alpha-hydroxyfase	1.0930347	1.0019236	1.35636
Comparison		0.38/43204	0.70736745	0.007/8910
1.350.0895 1.3516445 1.3516465 1.3516445 1.3516465 1.3516455 1.3516465 1.3516465 1.3516465 1.3516465 1.3516465 1.3516465 1.3516465 1.3516465 1.3516465 1.3516465 1.3516465 1.3516465 1.3516465 1.3516465 1.3516465 1.351645 1.3516465 1.35		1 0002455	1 008410	1 2703335
RCT-115 microglobulin/blurin precursor (Amb) 0.486953 1.2455149 0.4862951 1.2455149 0.4862918 0.4851819 0.48621918 0.4818199 0.7277899 0.4818199 0.7277899 0.4818199 0.7277899 0.4818199 0.7277891 0.4818201 1.1866712 1.10446221 0.96040000000000000000000000000000000000	Phase-1 RC 1-140	1 3590895	1 2316445	8.086001
RCT-16 0.6337812 0.656595 1.2455149 0.656500 0.6337812 0.6526638 0.7277598 0.4318198 0.7277598 0.4318198 0.7277598 0.4318198 0.7277598 0.6327812 0.6327812 0.6327812 0.6327812 0.6327812 0.6327812 0.6327812 0.6327812 0.6327812 0.6327812 0.6327812 0.6327812 0.6327812 0.632782 0.63268417 0.6264834 0.62664834 0.626648	Obsert PCT-115	2 7409308	0.5290255	1,2857474
National Process National Pr	Apha-1 microglobulin/bikunin precursor (Ambp)	0.4565953	1.2435149	0.71594733
X receptor alpha 0.72277996 0.49141994 0.72277996 0.49141994 0.72277996 0.49141994 0.72277996 0.49141994 0.72277996 0.49141994 0.72277996 0.49141994 0.72277996 0.4922467 0.49224696 0.492244996 0.492244996 0.492244996 0.492244996 0.492244996 0.492244996 0.492244996 0.492244996 0.492244996 0.492244996 0.492244996 0.492244996 0.492344996 0.492344996 0.492344996 0.492344996 0.492344996 0.492344996 0.492344998 0.4923644998 0.4923644998 0.4923644998 0.4923644998 0.4923644998 0.4926844998 0.492368444 0.492368444 0.492368444 0.492368444 0.492368444 0.4923684444 0.4923684444 0.4923684444 0.4923684444 0.492368444444 0.49236844444 0.4923684444444 0.492368444444444 0.492368444444444444444444444444444444444444		0700000	00000000	0000000
1.712466 0.4310199 0.72173946 0.4310199 0.72173946 0.4310199 0.72173946 0.4310199 0.72173946 0.4310199 0.721739 0.7026394 0.7026394 0.7026394 0.7026396 0.7026306 0.702630	Phase-1 RCT-18	0.8337812	0.8628638	0.9233230
X. Recaptor alpha 1,17,12,200 1,10,16,201 1,10,201 1,10,201 1,10,201 1,10,201 1,10,201 1,10,201 1,10,201 1,10,201 1,10,201 1,10,201 1,10,201 1,10,201 1,	Maspin	4 7420465	0.4910190	1.7.330742 4 KARE3R3
O A Teacher applies and profession of A Teacher and brigging protein (CNBP) 0.85817003 1.055684 1 Cylochrome P450 oxidoreductase 1.3678231 0.462467 1 cylochrome P450 oxidoreductase 1.0708381 0.85817003 1 cylochrome P450 oxidoreductase 1.0708381 0.8422467 1 cylochrome P450 oxidoreductase 1.0708381 0.8820703 2 cylochrome P450 oxidoreductase 1.714382 0.8800019 2 cylochrome P450 oxidoreductase 1.714382 0.8800019 3 cylochrome P450 oxidoreductase 1.5081030 1.1547108 4 cylochrome P450 oxidoreductase 1.5081030 1.060375 5 cylochrome P450 oxidoreductase 1.600462 0.98287145 6 cylochrome P450 oxidoreductase 1.600473 0.8916475 7 cylochrome Channel protein bela 1 0.76594805 0.99224895 7 cylochrome Channel protein bela 1 0.76594807 1.001186 8 basic protein 1.08071186 0.99224895	Decorin	4 4956742	4 4044672	1.0403302
Colochrone P450 oxidoreduciase 1.3678231 0.8422467 Colochrone P450 oxidoreduciase 1.3678231 0.8422467 Sept	Retinold A receptor alpha Cellular midels and hinding protein (CNBP)	0.85817003	1.055664	0.98325795
1,000,000,000,000,000,000,000,000,000,0	NADPH cytochrome P450 oxidoreductase	1.3678231	0.8422467	0.9032656
1,5839709 1,128724 1,000019 1,128724 1,1714324 1,1714324 1,1714324 1,1714324 1,1714324 1,1714324 1,1714320 1,000019 1	Matic enzyme	0.7036386	0.8979055	0.72347295
1,7114322 0.8800191 Da-those) polymerase	Caspase 1	1.9639709	1.1297234	1.12200
LGS18252 1.1547108	Cystatin C	1.7174932	0.8600019	0.514591
De-Albose) polymense 1.5267507 1.0824722 plasminopen activator 1.4500462 0.92678745 plasminopen activator 2.7162 2.016376 1 RCT-207 2.871477 2.871477 1 RCT-207 0.67788745 0.6778874 1 RCT-181 0.6778874 0.6778879 nrciton membrane channel protein bela 1 0.7654807 0.99224865 0.7654807 nrnin 3 (AQP2) 0.77654807 1.001186 0.77654817 0.224885 0.224865 basic protein 1.396417 0.2248618 0.2248614 0.2248614 0.2246514	psscDC	1.9818262	1.1542108	2.377848
plasminogen activator 1.4500462 (a.g.2014/15) 14 RCT-207 2.214073 0.8915475 0.8915476 1.05015476 1.05015476 1.05015476 1.05015476 1.05015476 1.05015476 1.05015476 1.05015476 1.05015476 1.05015476 1.05015485 1.05015476 1.05015485 1	Poly(ADP-ribose) polymerase	1.5267507	1.0924722	1.1368/4
1 RCT-181 0.8915475 0.891575	Tissue plasminogen activator	1.4500462	0.92679745	1.09/299
1 RC1-181	Multidrug resistant protein-1	3./102	0 8015475	1 090501
Incircular channel protein beta 1 0.5/613164 0.89224885 or control of the channel protein beta 1 0.5/613164 0.89224885 or control of the channel chann	Prisse-1 Act-20/	0.6738912	1 284629	0 94981194
min-3 (AQP3) 0.76564807 1.0010186 basic protein 1.3866417 0.9241989 1.4366417 0.9243984 1.6324984 1.6320191 0.90243954 1.0320191 0.90243954 1.0320191 0.90243954 1.0320191 0.90243954 1.0320191 0.90243954 1.0320191 0.90243954 1.0320191 0.90243954 1.0320191 0.90243954 1.0320191 0.90243954 1.0320191 0.90243954 1.0320191 0.90243954 1.0320191 0.90243954 1.0020191 0.90243954 1.0020191 0.9024954 1.0020191 0.90243954 1.0020191 0.90243954 1.0020191 0.90243954 1.0020191 0.9024954 1.0020191 0.9024954 1.0020191 0.9024954 1.0020191 0.9024954 1.0020191 0.9024954 1.0020191 0.9024954 0.9024910 0.902491 0.902491 0.902491 0.902491 0.902491 0.902491 0		0.57613164	0.99224895	0.5428142
0.76564807 1.0010186 1.3966417 0.9241988 1.0920191 0.90243614				
1.3968417 0.8241988 1.0920191 0.90243614	Aquaporin-3 (AQP3)	0.76564807	1.0010186	- 1
1.09201911 0.302430141	Myelin basic protein	1.3966417	0.9241988	- 1
	Calgrandin B3	1.09201	0.30243014	-1

PCT/US03/14832

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1 DOT 458	1.3466306	1.3466306 1.0327852	0.96546
Prisocer No. 1-150	1.4629532	1,4629532 0.97415274	1,3092
Theasung acutam to the			
(1) Gene expression data for 72 hour timepoint			
are presented as mean ratio of treatment/control			
for all 72 hour predictive genes (Table 23).			
(2) Compound and dose abbreviations as in			
Table 1.			
(3) Individual animal number			
(4) Liver inflammation dassification for compound			
dose group at 72 h: yes-nect, necrosis observed;			
yes-both, necrosts with inflammation observed;			
no, no histopathology observed			
(5) Predictive gene (as in Table 23 and as			
included in Table 26)			